

Db 1 GVEPVHPQDGDAHL 15
 Best Local Similarity 80.0%; Pred. No. 3.3;
 Matches 8; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

RESULT 2
 US-10-354-240-44
 Sequence 44, Application US/10354240
 Publication No. US20030185847A1
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103D1
 CURRENT APPLICATION NUMBER: US/10/354, 240
 CURRENT FILING DATE: 2003-01-29
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 PRIOR APPLICATION NUMBER: US 09/142, 524
 PRIOR FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 44
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC_FEATURE
 LOCATION: (1)..(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 30
 US-10-354-240-44

Query Match 51.9%; Score 54; DB 14; Length 15;
 Best Local Similarity 60.0%; Pred. No. 0.049;
 Matches 9; Conservative 3; Mismatches 3; Indels 0;
 Gaps 0; Gaps 0;

Qy 6 HAQDGDAITMRNVD 20
 Db 1 HPQDGDAITLRTATN 15

RESULT 3
 US-10-354-240-42
 Sequence 42, Application US/10354240
 Publication No. US20030185847A1
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptid-e-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103D1
 CURRENT APPLICATION NUMBER: US/10/354, 240
 CURRENT FILING DATE: 2003-01-29
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 PRIOR APPLICATION NUMBER: US 09/142, 524
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 42
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC_FEATURE
 LOCATION: (1)..(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 28
 US-10-354-240-42

Query Match 41.3%; Score 43; DB 14; Length 15;

Best Local Similarity 80.0%; Pred. No. 3.3;
 Matches 8; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

Qy 1 GIVVVAQDG 10
 Db 6 GVEPVHPQDG 15

RESULT 4
 US-10-994-595-91
 Sequence 91, Application US/09944595
 Publication No. US2003039981A1
 GENERAL INFORMATION:
 APPLICANT: Bhattacharjee, J.
 APPLICANT: Srivastava, Kalavati
 APPLICANT: Bhattacharjee, Vasker
 TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN A BIOLOGICAL SAMPLE
 FILE REFERENCE: 96, 247-A
 CURRENT APPLICATION NUMBER: US/09/994, 595
 CURRENT FILING DATE: 2001-11-27
 PRIOR APPLICATION NUMBER: 08/194, 595
 PRIOR FILING DATE: 1997-05-20
 NUMBER OF SEQ ID NOS: 160
 SOFTWARE: Microsoft Word 97
 SEQ ID NO: 91
 LENGTH: 19
 TYPE: PRT
 ORGANISM: Artificial sequence
 FEATURE:
 OTHER INFORMATION: Polypeptide segment of ACVS_CEPAC shown in Figure 4.
 US-09-994-595-91

Query Match 35.6%; Score 37; DB 10; Length 19;
 Best Local Similarity 66.7%; Pred. No. 44;
 Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 3 VPVHQDGD 11
 Db 9 VPTHQDGE 17

RESULT 5
 US-09-813-333-51
 Sequence 51, Application US/09813333
 Patent No. US2002011916A1
 GENERAL INFORMATION:
 APPLICANT: Degroot, Anne S
 TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
 FILE REFERENCE: 17999-004 US
 CURRENT APPLICATION NUMBER: US/09/813, 333
 CURRENT FILING DATE: 2001-03-20
 PRIOR APPLICATION NUMBER: 60/190, 834
 PRIOR FILING DATE: 2000-03-20
 NUMBER OF SEQ ID NOS: 81
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 51
 LENGTH: 20
 TYPE: PRT
 ORGANISM: Mycobacterium tuberculosis
 US-09-813-333-51

Query Match 33.7%; Score 35; DB 9; Length 20;
 Best Local Similarity 66.%; Pred. No. 1e+02;
 Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 2 VVPVHQDGD 10
 Db 12 VVPLHRSDG 20

RESULT 6
 US-10-044-703-51

```

Sequence 51, Application US/10044703
; Publication No. US200201923341
; GENERAL INFORMATION:
; APPLICANT: DeGroot, Anne S
; TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
; FILE REFERENCE: 17999-004 US
; CURRENT APPLICATION NUMBER: US/10/044,703
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/190,834
; PRIORITY NUMBER: 2000-03-20
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 51
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
; SEQ ID NO: 51

Query Match 33.7%; Score 35; DB 13; Length 20;
Best Local Similarity 66.7%; Pred. No. 1e+02; Indels 0; Gaps 0;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Qy 2 VVPVHAQG 10
Db 12 VVPLHRSIG 20

RESULT 7
US-10-239-103-51
; Sequence 51, Application US/10239103
; Publication No. US20040057961A1
; GENERAL INFORMATION:
; APPLICANT: Brown University Research Foundation
; TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
; FILE REFERENCE: 17999-004-061
; CURRENT APPLICATION NUMBER: US/10/239,103
; CURRENT FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 60/1813,333
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 60/190,834
; PRIOR FILING DATE: 2000-03-20
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 51
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
; SEQ ID NO: 51

Query Match 33.7%; Score 35; DB 15; Length 20;
Best Local Similarity 66.7%; Pred. No. 1e+02; Indels 0; Gaps 0;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Qy 2 VVPVHAQG 10
Db 12 VVPLHRSIG 20

RESULT 8
US-08-424-550B-366
; Sequence 366, Application US/08424550B
; Publication No. US2002019447A1
; GENERAL INFORMATION:
; APPLICANT: JOHN N. SIMONS
; APPLICANT: TAMI J. PILOT-MATIAS
; APPLICANT: GEORGE J. DAWSON
; APPLICANT: GEORGE G. SCHLAUDER
; APPLICANT: SURESH M. DESAI
; APPLICANT: THOMAS P. LEARY
; APPLICANT: ANTHONY SCOTT MUEHRUFF
; APPLICANT: JAMES C. ERKER
; APPLICANT: SHERI L. BUIJK

Query Match 29.8%; Score 31; DB 15; Length 11;
Best Local Similarity 62.5%; Pred. No. 2.3e+02; Indels 0; Gaps 0;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

```

```

; APPLICANT: ISA K. MUSHAIWAR
; TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NONE HEPATITIS
; REAGENTS AND METHODS FOR THEIR USE
; NUMBER OF SEQUENCES: 716
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
; STREET: 100 ABBOTT PARK ROAD
; CITY: ABBOTT PARK
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/424,550B
; FILING DATE:
; CLASSIFICATION: 435435
; ATTORNEY/AGENT INFORMATION:
; NAME: POREMSKI, PRISCILLA E.
; REGISTRATION NUMBER: 33,207
; REFERENCE/DOCKET NUMBER: 5527.PC.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 708-938-6365
; TELEFAX: 708-938-2623
; INFORMATION FOR SEQ ID NO: 366:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: Linear
; MOLECULE TYPE: Protein
; SEQ ID NO: 366

Query Match 30.8%; Score 32; DB 8; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.4e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 3 VPVHAQ 8
Db 4 VPVHAQ 9

RESULT 9
US-10-468-543-13
; Sequence 13, Application US/10468543
; Publication No. US20040091918A1
; GENERAL INFORMATION:
; APPLICANT: Irimura, Tatsuro
; APPLICANT: Matsumoto, Makiko
; APPLICANT: Yim, Mi Jung
; APPLICANT: Ono, Takashi
; TITLE OF INVENTION: Lectins for Analyzing Sugar Chains and Method of Using the Same
; FILE REFERENCE: 03-786
; CURRENT APPLICATION NUMBER: US/10/468,543
; CURRENT FILING DATE: 2003-08-20
; PRIOR APPLICATION NUMBER: JP 2001-044221
; PRIOR FILING DATE: 2001-02-20
; NUMBER OF SEQ ID NOS: 95
; SEQ ID NO: 13
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Generated from randomly recombinant DNA part of MAH.
; SEQ ID NO: 13

Query Match 29.8%; Score 31; DB 15; Length 11;
Best Local Similarity 62.5%; Pred. No. 2.3e+02; Indels 0; Gaps 0;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

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Qy 2 VVPVHAQD 9 ; NUMBER OF SEQ ID NOS: 492 ; SOFTWARE: FastSEQ for Windows Version 4.0
 Db 2 VNPPLHQLQD 9 ; SEQ ID NO: 39 ;
 ; LENGTH: 14 ;
 ; TYPE: PRT ;
 ; ORGANISM: homo sapien

RESULT 10
 US-10-256-850-53 ; Sequence 53, Application US/10256850
 ; PUBLIC INFORMATION: Publication No. US201040024178A1
 ; APPLICANT: ASHMAN, STEPHEN
 ; APPLICANT: BLACK, MICHAEL T.
 ; APPLICANT: BRUTON, GORDON
 ; APPLICANT: HUMPHRIES, ALFRED JOHN
 ; APPLICANT: MOORE, KEITH JAMES
 ; TITLE OF INVENTION: BACTERIAL SIGNAL PEPTIDASE INHIBITORS
 ; TITLE OF INVENTION: AND USES THEREOF
 ; FILE REFERENCE: P3.237
 ; CURRENT APPLICATION NUMBER: US 10/256, 850
 ; CURRENT FILING DATE: 2002-09-27
 ; PRIOR APPLICATION NUMBER: 09/890, 633
 ; PRIOR FILING DATE: 2001-08-03
 ; PRIOR APPLICATION NUMBER: PCT/EP00/00751
 ; PRIOR FILING DATE: 2000-02-01
 ; PRIOR APPLICATION NUMBER: GB 9902399 .6
 ; PRIOR FILING DATE: 1999-02-03
 ; NUMBER OF SEQ ID NOS: 64
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 53
 ; LENGTH: 13
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE: Intermediate peptide resin
 ; OTHER INFORMATION: Intermediate peptide resin

US-10-256-850-53 ; NUMBER OF SEQ ID NOS: 492 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 61 ;
 ; LENGTH: 14 ;
 ; TYPE: PRT ;
 ; ORGANISM: homo sapien

RESULT 11
 US-09-826-290-39 ; Sequence 39, Application US/09826290
 ; PUBLIC INFORMATION: Patent No. US20104666A1
 ; GENERAL INFORMATION: ;
 ; APPLICANT: Durham, L.Kathryn
 ; APPLICANT: Herath, Mudiyanseilage Athula Chandrasiri
 ; APPLICANT: Kimmel, Lida H.
 ; APPLICANT: Parekh, Rajesh Bhikhu
 ; APPLICANT: Rohlf, Christian
 ; APPLICANT: Silber, B. Michael
 ; APPLICANT: Stiger, Thomas R.
 ; APPLICANT: Sunderland, P. Trey
 ; APPLICANT: Townsend, Robert Reid
 ; APPLICANT: White, Frost
 ; APPLICANT: Williams, Stephen A.
 ; TITLE OF INVENTION: Nucleic Acid Molecules, Polypeptides and
 ; TREATMENT OF
 ; INVENTION: Alzheimer's Disease

Qy 3 VPVHAQD 10 ; NUMBER OF SEQ ID NOS: 492 ; SOFTWARE: FastSEQ for Windows Version 4.0
 Db 3 LPVHAADG 10 ; SEQ ID NO: 61 ;
 ; LENGTH: 14 ;
 ; TYPE: PRT ;
 ; ORGANISM: homo sapien

RESULT 12
 US-09-826-290-61 ; Sequence 61, Application US/09826290
 ; PUBLIC INFORMATION: Patent No. US20104666A1
 ; GENERAL INFORMATION: ;
 ; APPLICANT: Durham, L.Kathryn
 ; APPLICANT: Herath, Mudiyanseilage Athula Chandrasiri
 ; APPLICANT: Kimmel, Lida H.
 ; APPLICANT: Parekh, Rajesh Bhikhu
 ; APPLICANT: Rohlf, Christian
 ; APPLICANT: Silber, B. Michael
 ; APPLICANT: Stiger, Thomas R.
 ; APPLICANT: Sunderland, P. Trey
 ; APPLICANT: Townsend, Robert Reid
 ; APPLICANT: White, Frost
 ; APPLICANT: Williams, Stephen A.
 ; TITLE OF INVENTION: Nucleic Acid Molecules, Polypeptides and
 ; TREATMENT OF
 ; INVENTION: Alzheimer's Disease

Qy 9 DGDAATMRYNTD 20 ; NUMBER OF SEQ ID NOS: 492 ; SOFTWARE: FastSEQ for Windows Version 4.0
 Db 2 DGDTIIFSNVQE 13 ; SEQ ID NO: 61 ;
 ; LENGTH: 14 ;
 ; TYPE: PRT ;
 ; ORGANISM: homo sapien

RESULT 13
 US-09-826-290-415 ; Sequence 415, Application US/09826290
 ; PUBLIC INFORMATION: Patent No. US20104666A1
 ; GENERAL INFORMATION: ;
 ; APPLICANT: Durham, L.Kathryn
 ; APPLICANT: Friedman, David L.
 ; APPLICANT: Herath, Mudiyanseilage Athula Chandrasiri
 ; APPLICANT: Kimmel, Lida H.
 ; APPLICANT: Parekh, Rajesh Bhikhu
 ; APPLICANT: Rohlf, Christian
 ; APPLICANT: Silber, B. Michael
 ; APPLICANT: Stiger, Thomas R.
 ; APPLICANT: Sunderland, P. Trey
 ; APPLICANT: Townsend, Robert Reid
 ; APPLICANT: White, Frost
 ; APPLICANT: Williams, Stephen A.
 ; TITLE OF INVENTION: Nucleic Acid Molecules, Polypeptides and
 ; TREATMENT OF
 ; INVENTION: Alzheimer's Disease

Qy 9 DGDAATMRYNTD 20 ; NUMBER OF SEQ ID NOS: 492 ; SOFTWARE: FastSEQ for Windows Version 4.0
 Db 2 DGDTIIFSNVQE 13 ; SEQ ID NO: 61 ;
 ; LENGTH: 14 ;
 ; TYPE: PRT ;
 ; ORGANISM: homo sapien

RESULT 14
 US-09-826-290-416 ; Sequence 416, Application US/09826290
 ; PUBLIC INFORMATION: Patent No. US20104666A1
 ; GENERAL INFORMATION: ;
 ; APPLICANT: Durham, L.Kathryn
 ; APPLICANT: Friedman, David L.
 ; APPLICANT: Herath, Mudiyanseilage Athula Chandrasiri
 ; APPLICANT: Kimmel, Lida H.
 ; APPLICANT: Parekh, Rajesh Bhikhu
 ; APPLICANT: Rohlf, Christian
 ; APPLICANT: Silber, B. Michael
 ; APPLICANT: Stiger, Thomas R.
 ; APPLICANT: Sunderland, P. Trey
 ; APPLICANT: Townsend, Robert Reid
 ; APPLICANT: White, Frost
 ; APPLICANT: Williams, Stephen A.
 ; TITLE OF INVENTION: Nucleic Acid Molecules, Polypeptides and
 ; TREATMENT OF
 ; INVENTION: Alzheimer's Disease

Qy 9 DGDAATMRYNTD 20 ; NUMBER OF SEQ ID NOS: 492 ; SOFTWARE: FastSEQ for Windows Version 4.0
 Db 2 DGDTIIFSNVQE 13 ; SEQ ID NO: 61 ;
 ; LENGTH: 14 ;
 ; TYPE: PRT ;
 ; ORGANISM: homo sapien

RESULT 15
 US-09-826-290-417 ; Sequence 417, Application US/09826290
 ; PUBLIC INFORMATION: Patent No. US20104666A1
 ; GENERAL INFORMATION: ;
 ; APPLICANT: Durham, L.Kathryn
 ; APPLICANT: Friedman, David L.
 ; APPLICANT: Herath, Mudiyanseilage Athula Chandrasiri
 ; APPLICANT: Kimmel, Lida H.
 ; APPLICANT: Parekh, Rajesh Bhikhu
 ; APPLICANT: Rohlf, Christian
 ; APPLICANT: Silber, B. Michael
 ; APPLICANT: Stiger, Thomas R.
 ; APPLICANT: Sunderland, P. Trey
 ; APPLICANT: Townsend, Robert Reid
 ; APPLICANT: White, Frost
 ; APPLICANT: Williams, Stephen A.
 ; TITLE OF INVENTION: Nucleic Acid Molecules, Polypeptides and
 ; TREATMENT OF
 ; INVENTION: Alzheimer's Disease

Qy 9 DGDAATMRYNTD 20 ; NUMBER OF SEQ ID NOS: 492 ; SOFTWARE: FastSEQ for Windows Version 4.0
 Db 2 DGDTIIFSNVQE 13 ; SEQ ID NO: 61 ;
 ; LENGTH: 14 ;
 ; TYPE: PRT ;
 ; ORGANISM: homo sapien

Qy 9 DGDAITMRNVTID 20
 Db 2 DGDITIFSNVQE 13

RESULT 15
 US-10-416-090-2 ; Sequence 2, Application US/10416090
 ; Publication No. US20040071711A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bicknell, Roy Lukasz
 ; Huminiecki, Lukasz
 ; TITLE OF INVENTION: IMAGING, DIAGNOSIS AND TREATMENT OF
 ; TITLE OF INVENTION: DISEASE
 ; FILE REFERENCE: 12795-015US1
 ; CURRENT APPLICATION NUMBER: US/10/416,090
 ; CURRENT FILING DATE: 2003-10-15
 ; PRIOR APPLICATION NUMBER: PCT/US01/04906
 ; PRIOR FILING DATE: 2001-11-06
 ; PRIOR APPLICATION NUMBER: US 60/245,566
 ; PRIOR FILING DATE: 2000-11-06
 ; PRIOR APPLICATION NUMBER: US 60/273,662
 ; PRIOR FILING DATE: 2001-03-07
 ; NUMBER OF SEQ ID NOS: 50
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 2
 ; LENGTH: 14
 ; TYPE: PRT
 ; ORGANISM: homo sapien
 US-09-826-200-415

Query Match 29.8%; Score 31; DB 9; Length 14;
 Best Local Similarity 50.0%; Prod. No. 3.1e+02;
 Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 9 DGDAITMRNVTID 20
 Db 2 DGDITIFSNVQE 13

Query Match 29.8%; Score 31; DB 15; Length 20;
 Best Local Similarity 55.6%; Pred. No. 4.7e+02;
 Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 6 HAQDGDAIT 14
 Db 9 HAHDGQAL 17

Search completed: January 26, 2005, 16:54:57
 Job time : 56.5 secs

RESULT 14
 US-10-264-309-190 ; Sequence 190, Application US/10264309
 ; Publication No. US20040022794A1
 ; GENERAL INFORMATION:
 ; APPLICANT: DURHAM, L. KATHRYN
 ; APPLICANT: FRIEDMAN, DAVID L.
 ; APPLICANT: HERATH, HERATH
 ; APPLICANT: KIMMEL, LIDA H.
 ; APPLICANT: PAREKH, RAJESH B.
 ; APPLICANT: POTTER, DAVID M.
 ; APPLICANT: ROHLFF, CHRISTIAN
 ; APPLICANT: SILBER, B. MICHAEL
 ; APPLICANT: SNYDER, PETER J.
 ; APPLICANT: SOARES, HOLLY D.
 ; APPLICANT: STIGER, THOMAS R.
 ; APPLICANT: SUNDERLAND, P. TREY
 ; APPLICANT: TOWNSEND, ROBERT R.
 ; APPLICANT: WHITE, W. FROST
 ; APPLICANT: WILLIAMS, STEPHEN A.
 ; TITLE OF INVENTION: NUCLEIC ACID MOLECULES, POLYPEPTIDES AND USES THEREFOR,
 ; TITLE OF INVENTION: INCLUDING DIAGNOSIS AND TREATMENT OF ALZHEIMER'S DISEASE
 ; FILE REFERENCE: POA-002-01
 ; CURRENT APPLICATION NUMBER: US/10/264,309
 ; CURRENT FILING DATE: 2003-10-03
 ; PRIOR APPLICATION NUMBER: 60/326,708
 ; PRIOR FILING DATE: 2001-10-03
 ; NUMBER OF SEQ ID NOS: 491
 ; SOFTWARE: PatentIn Version 2.1
 ; SEQ ID NO: 190
 ; LENGTH: 14
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-264-309-190

Query Match 29.8%; Score 31; DB 15; Length 14;
 Best Local Similarity 50.0%; Pred. No. 3.1e+02;
 Matches 1; Mismatches 5; Indels 0; Gaps 0;

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OM protein - protein search, using sw model

Run on: January 26, 2005, 15:54:02 ; Search time 14.6 Seconds
(without alignments)
90.847 Million cell updates/sec

Title: US-09-202-464-17
Perfect score: 104
Sequence: 1 GVVVHQAQGDAITMRNVTD 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0
Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/pctodata/1/iaa/5A_COMB.pep:
2: /cgn2_6/pctodata/1/iaa/5B_COMB.pep:
3: /cgn2_6/pctodata/1/iaa/6A_COMB.pep:
4: /cgn2_6/pctodata/1/iaa/6B_COMB.pep:
5: /cgn2_6/pctodata/1/iaa/PCTUS_COMB.pep:
6: /cgn2_6/pctodata/1/iaa/backfile1.pep:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	73	70.2	20	3	US-09-467-023-40	Sequence 40, App1	
2	62	59.6	15	4	US-09-412-52D-43	Sequence 43, App1	
3	54	51.9	15	4	US-09-142-52D-44	Sequence 44, App1	
4	43	41.3	15	4	US-09-142-52D-42	Sequence 42, App1	
5	43	41.3	20	3	US-08-467-023-39	Sequence 39, App1	
6	37	35.6	19	4	US-09-106-560B-91	Sequence 91, App1	
7	32	30.8	16	4	US-08-459-260A-366	Sequence 366, App1	
8	32	30.8	16	4	US-08-458-446-366	Sequence 366, App1	
9	32	30.8	16	4	US-08-467-340A-366	Sequence 366, App1	
10	32	30.8	16	4	US-08-424-550B-366	Sequence 366, App1	
11	30	28.8	15	4	US-09-412-52D-45	Sequence 45, App1	
12	30	28.8	20	3	US-08-467-023-41	Sequence 41, App1	
13	30	28.8	20	4	US-09-643-597-248	Sequence 248, App1	
14	30	28.8	20	4	US-09-088A-248	Sequence 248, App1	
15	30	28.8	20	4	US-09-542-615A-248	Sequence 248, App1	
16	30	28.8	20	4	US-09-606-421B-248	Sequence 248, App1	
17	30	28.8	20	4	US-09-476-490A-248	Sequence 248, App1	
18	30	28.8	20	4	US-09-630-940B-248	Sequence 248, App1	
19	29	27.9	20	3	US-08-228-91C-13	Sequence 13, App1	
20	29	27.9	20	3	US-09-247-522-18	Sequence 18, App1	
21	29	27.9	20	4	US-09-374-678-13	Sequence 13, App1	
22	29	27.9	20	4	US-09-308-368-12	Sequence 12, App1	
23	29	27.9	20	4	US-09-308-368-21	Sequence 21, App1	
24	28	26.9	15	4	US-09-073-009-91	Sequence 91, App1	
25	28	26.9	15	4	US-09-073-010-91	Sequence 91, App1	
26	28	26.9	17	2	US-08-595-138-115	Sequence 115, App1	
27	28	26.9	18	3	US-09-252-586-27	Sequence 27, App1	

ALIGNMENTS

RESULT 1
US-08-467-023-40
; Sequence 40, Application US/08467023
; Patent No. 6090386

GENERAL INFORMATION:

APPLICANT: Griffeth, Irwin J. ;
APPLICANT: Pollock, Joanne ;
APPLICANT: Bond, Julian F. ;
APPLICANT: Garman, Richard D. ;
APPLICANT: Kao, Mei-Chang ;
APPLICANT: Young, Siu-nei H. ;
APPLICANT: Brauer, Andrew ;
APPLICANT: Eakley, Mark A. ;
APPLICANT: Powers, Steven P. ;
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESS: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02454

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASIFICATION: 424
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5411
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: Peptide
FRAGMENT TYPE: internal

US-08-467-023-40
 Query Match 70.2%; Score 73; DB 3; Length 20;
 Best Local Similarity 65.0%; Pred. No. 6.3e-06;
 Matches 13; Conservative 3; Mismatches 4; Indels 0;
 Gaps 0; Gaps 0;
 Qy 1 GYVPVHADQGDAITMRNVTD 20
 Db 1 GYEPVHQDGDAITLRTATN 20

RESULT 2
 US-09-142-524D-43
 / Sequence 43, Application US/09142524D
 / GENERAL INFORMATION:
 / Patent No. 6719976
 / APPLICANT: Sone, Toshio
 / APPLICANT: Kume, Akinori
 / APPLICANT: Dairiki, Kazuo
 / APPLICANT: Iwama, Atsuko
 / APPLICANT: Kino, Kohsuke
 / TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 / FILE REFERENCE: SPO-103
 / CURRENT APPLICATION NUMBER: US/09/142,524D
 / CURRENT FILING DATE: 1998-09-09
 / PRIOR APPLICATION NUMBER: PCT/JP97/00740
 / PRIOR FILING DATE: 1997-03-10
 / NUMBER OF SEQ ID NOS: 174
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO: 43
 / LENGTH: 15
 / ORGANISM: Cryptomeria japonica
 / FEATURE: MISC FEATURE
 / NAME/KEY: MISC FEATURE
 / LOCATION: (1).-(15)
 / OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 29
 US-09-142-524D-43

Query Match 59.6%; Score 62; DB 4; Length 15;
 Best Local Similarity 73.3%; Pred. No. 0.00034;
 Matches 11; Conservative 2; Mismatches 2; Indels 0;
 Gaps 0; Gaps 0;
 Qy 1 GYVPVHADQGDAITM 15
 Db 1 GYEPVHQDGDAITL 15

RESULT 3
 US-09-142-524D-44
 / Sequence 44, Application US/09142524D
 / GENERAL INFORMATION:
 / Patent No. 6719976
 / APPLICANT: Sone, Toshio
 / APPLICANT: Kume, Akinori
 / APPLICANT: Dairiki, Kazuo
 / APPLICANT: Iwama, Atsuko
 / APPLICANT: Kino, Kohsuke
 / TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 / FILE REFERENCE: SPO-103
 / CURRENT APPLICATION NUMBER: US/09/142,524D
 / CURRENT FILING DATE: 1998-09-09
 / PRIOR APPLICATION NUMBER: PCT/JP97/00740
 / PRIOR FILING DATE: 1997-03-10
 / NUMBER OF SEQ ID NOS: 174
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO: 44
 / LENGTH: 15
 / ORGANISM: Cryptomeria japonica
 / FEATURE: MISC FEATURE
 / NAME/KEY: MISC FEATURE
 / LOCATION: (1).-(15)

RESULT 4
 US-09-142-524D-42
 / Sequence 42, Application US/09142524D
 / Patent No. 6719976
 / GENERAL INFORMATION:
 / APPLICANT: Sone, Toshio
 / APPLICANT: Kume, Akinori
 / APPLICANT: Dairiki, Kazuo
 / APPLICANT: Iwama, Atsuko
 / APPLICANT: Kino, Kohsuke
 / TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 / FILE REFERENCE: SPO-103
 / CURRENT APPLICATION NUMBER: US/09/142,524D
 / CURRENT FILING DATE: 1998-09-09
 / PRIOR APPLICATION NUMBER: PCT/JP97/00740
 / PRIOR FILING DATE: 1997-03-10
 / NUMBER OF SEQ ID NOS: 174
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO: 42
 / LENGTH: 15
 / TYPE: PRT
 / ORGANISM: Cryptomeria japonica
 / FEATURE:
 / NAME/KEY: MISC FEATURE
 / LOCATION: (1).-(15)
 / OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 28
 US-09-142-524D-42

Query Match 51.9%; Score 54; DB 4; Length 15;
 Best Local Similarity 60.0%; Pred. No. 0.008;
 Matches 9; Conservative 3; Mismatches 3; Indels 0;
 Gaps 0;
 Qy 6 HAQDPAITMRNVTD 20
 Db 1 HPQDPAITLRTATN 15

RESULT 5
 US-09-142-523-39
 / Sequence 39, Application US/08467023
 / Patent No. 6690386
 / GENERAL INFORMATION:
 / APPLICANT: Griffeth, Irwin J.;
 / APPLICANT: Pollock, Joanne F.;
 / APPLICANT: Bond, Julian F.;
 / APPLICANT: Garman, Richard D.;
 / APPLICANT: Kuo, Mei-Chang;
 / APPLICANT: Young, Siu-Mei H.;
 / APPLICANT: Brauer, Andrew;
 / APPLICANT: Exley, Mark A.;
 / APPLICANT: Powers, Steven P.
 / TITLE OF INVENTION: Allergenic Proteins And Peptides From
 / NUMBER OF SEQUENCES: 261
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 / STREET: 610 Lincoln St
 / CITY: Waltham
 / STATE: MA
 / COUNTRY: USA
 / ZIP: 02154

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 39:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-39

Query Match 1 GVPVHQDG 10
 ||||| |||||
 Db 11 GVPVHQDG 20

RESULT 6
 US-09-106-568E-91
 Sequence 91, Application US/09106568E
 GENERAL INFORMATION:
 Patent No. 6455248
 APPLICANT: Bhattacharjee, J.
 APPLICANT: Suvarna, Kalavati
 APPLICANT: Bhattacharjee, Vasiker
 TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN FILE REFERENCE: 96,247-A
 CURRENT APPLICATION NUMBER: US/09/106,568E
 CURRENT FILING DATE: 1998-06-29
 PRIOR APPLICATION NUMBER: US/08/650,809
 PRIOR FILING DATE: 1997-05-20
 NUMBER OF SEQ ID NOS: 160
 SOFTWARE: Microsoft Word 97
 SEQ ID NO 91
 LENGTH: 19
 TYPE: PRT
 FEATURE: Artificial sequence
 OTHER INFORMATION: Polypeptide segment of ACVS_CEPAC shown in Figure 4.

Query Match 35.6%; Score 37; DB 4; Length 19;
 Best Local Similarity 66.7%; Pred. No. 8.7;
 Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

US-09-106-568E-91

Query 3 VPVHQDG 11
 |||||
 Db 9 VPVHQDG 17

RESULT 7
 US-08-469-260A-366

Sequence 366, Application US/08469260A
 Patent No. 6451578
 GENERAL INFORMATION:
 APPLICANT: JOHN N. SIMONS
 APPLICANT: TAMI J. PILOT-MATIAS
 APPLICANT: GEORGE J. DAWSON
 APPLICANT: GEORGE G. SCHLAUDER
 APPLICANT: SURESH M. DESAI
 APPLICANT: THOMAS P. LEARY
 APPLICANT: ANTHONY SCOTT MUERHOPP
 APPLICANT: JAMES C. ERICK
 APPLICANT: SHERI L. BULJK
 APPLICANT: ISA K. MUSHAWAR
 TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS REAGENTS AND METHODS FOR THEIR USE
 NUMBER OF SEQUENCES: 716
 CORRESPONDENCE ADDRESS:
 ADDRESS: ABBOTT LABORATORIES D377/AP6D
 STREET: 100 ABBOTT PARK ROAD
 CITY: ABBOTT PARK
 STATE: IL
 COUNTRY: USA
 ZIP: 60064-3500
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/469,260A
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/424,550
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: POREBSKI, PRISCILLA E.
 REGISTRATION NUMBER: 33,207
 REFERENCE/DOCKET NUMBER: 5527-PC-01
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 708-937-2623
 TELEFAX: 708-938-2623
 INFORMATION FOR SEQ ID NO: 366:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 16 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-469-260A-366

Query Match 30.8%; Score 32; DB 4; Length 16;
 Best Local Similarity 100.0%; Pred. No. 51;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 VPVHQQ 8
 |||||
 Db 4 VPVHQQ 9

RESULT 8
 US-08-488-446-366

Sequence 366, Application US/08488446
 Patent No. 6558898
 GENERAL INFORMATION:
 APPLICANT: JOHN N. SIMONS
 APPLICANT: TAMI J. PILOT-MATIAS
 APPLICANT: GEORGE J. DAWSON
 APPLICANT: GEORGE G. SCHLAUDER
 APPLICANT: SURESH M. DESAI
 APPLICANT: THOMAS P. LEARY
 APPLICANT: ANTHONY SCOTT MUERHOPP
 APPLICANT: JAMES C. ERICK
 APPLICANT: SHERI L. BULJK

RESULT 7
 US-08-469-260A-366

APPLICANT: ISA K. MUSHAWWAR, NON-B, NON-C, NON-D, NON-E HEPATITIS
 TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
 NUMBER OF SEQUENCES: 716
 CORRESPONDENCE ADDRESS:
 STREET: 100 ABBOTT PARK ROAD D377/AP6D
 CITY: ABBOTT PARK
 STATE: IL USA
 ZIP: 60064-3500
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,344A
 FILING DATE: 07-Jun-1995
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/424,550
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: POREMBSKI, PRISCILLA E.
 REGISTRATION NUMBER: 33,207
 REFERENCE/DOCKET NUMBER: 5527.PC.01
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 708-937-6365
 TELEFAX: 708-938-2623
 INFORMATION FOR SEQ ID NO: 366:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 16 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 366:
 US-08-467-344A-366

RESULT 9
 Query Match 30.8% Score 32; DB 4; Length 16;
 Best Local Similarity 100.0%; Pred. No. 51;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 3 VPVHAQ 8
 Db 4 VPVHAQ 9

RESULT 10
 US-08-424-550B-366
 / Sequence 366, Application US/08424550B
 / Patent No. 6720166
 / GENERAL INFORMATION:
 / APPLICANT: JOHN N. SIMONS
 / APPLICANT: TAMI J. PILOT-MATIAS
 / APPLICANT: GEORGE J. DAWSON
 / APPLICANT: GEORGE G. SCHLAUDER
 / APPLICANT: SURESH M. DESAI
 / APPLICANT: THOMAS P. LEARY
 / APPLICANT: ANTHONY SCOTT MUEHRHOFF
 / APPLICANT: JAMES C. ERICKER
 / APPLICANT: SHERI L. BULJK
 / APPLICANT: ISA K. MUSHAWWAR
 / TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
 / NUMBER OF SEQUENCES: 716
 / CORRESPONDENCE ADDRESS:
 / ADDRESS: ABBOTT LABORATORIES D377/AP6D
 / STREET: 100 ABBOTT PARK ROAD
 / CITY: ABBOTT PARK
 / STATE: IL USA
 / COUNTRY: USA
 / ZIP: 60064-3500
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: Patent In Release #1.0, Version #1.25
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/424,550B
 / FILING DATE:
 / CLASSIFICATION: 435435
 / ATTORNEY/AGENT INFORMATION:
 / NAME: POREMBSKI, PRISCILLA E.
 / REGISTRATION NUMBER: 33,207

REFERENCE/DOCKET NUMBER: 5527.PC.01
 TELEPHONE: 708-937-6365
 TELEFAX: 708-938-2623
 INFORMATION FOR SEQ ID NO: 366:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 16 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 us-08-424-550B-366

Query Match 30.8%; Score 32; DB 4; Length 16;
 Best Local Similarity 100.0%; Pred. No. 51;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 VPVHAQ 8
 |||||
 Db 4 VPVHAQ 9

RESULT 11
 US-09-142-524D-45
 Sequence 45, Application US/09142524D
 Patent No. 6719976
 GENERAL INFORMATION:
 APPLICANT: Sone, Tchisio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103
 CURRENT APPLICATION NUMBER: US/09/142.524D
 CURRENT FILING DATE: 1998-09-09
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 NUMBER OF SEQ ID NOS: 174
 SEQ ID NO 45
 LENGTH: 15
 TYPE: PRT
 FEATURE: NAME/KEY: MISC FEATURE
 LOCATION: (1)-(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 31

Query Match 28.8%; Score 30; DB 4; Length 15;
 Best Local Similarity 50.0%; Pred. No. 1e+02; Mismatches 3; Indels 0; Gaps 0;

Qy 11 DAITMRNVT 20
 ||:||:||:
 Db 1 DALTRATN 10

RESULT 12
 US-08-467-023-41
 Sequence 41, Application US/08467023
 GENERAL INFORMATION:
 APPLICANT: Griffith, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D;
 APPLICANT: Kuo, Mei-Chang H.;
 APPLICANT: Young, Shu-mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From

Query Match 28.8%; Score 30; DB 3; Length 20;
 Best Local Similarity 50.0%; Pred. No. 1.5e+02; Mismatches 3; Indels 0; Gaps 0;

Qy 11 DAITMRNVT 20
 ||:||:||:
 Db 1 DALTRATN 10

RESULT 13
 US-09-643-597-248
 Sequence 248, Application US/09643597
 Patent No. 6126072
 GENERAL INFORMATION:
 APPLICANT: Wang, Tongtong
 APPLICANT: Fan, Liqun
 APPLICANT: Kalos, Michael D.
 APPLICANT: Bangur, Chaitanya S.
 APPLICANT: Hosken, Nancy
 APPLICANT: Fanger, Gary R.
 APPLICANT: Li, Samuel Y.
 APPLICANT: Wang, Ajun
 APPLICANT: Skeiky, Yasir A.W.
 APPLICANT: Henderson, Robert A.
 APPLICANT: McNeill, Patricia D.
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
 FILE REFERENCE: 210121.455C1
 CURRENT APPLICATION NUMBER: US/09/643,597
 CURRENT FILING DATE: 2000-08-21
 NUMBER OF SEQ ID NOS: 369
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 248
 LENGTH: 20
 TYPE: PRT
 ORGANISM: Homo sapiens

Query Match	Score 28.8%; Best Local Similarity 38.5%; Matches 5; Conservative	Score 30; DB 4; Length 20; Pred. No. 1.5e+02; Mismatches 4; Indels 0; Gaps 0;	Db	2 ETGDPVTLLDD 14
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Qy 8 QDGDAITMRNVTID 20
 : ||| :| :| :|
 Db 2 ETGDPVTLLDD 14

RESULT 14

US-09-480-884A-248	Sequence 248, Application US/09480884A
--------------------	----------------------------------------

GENERAL INFORMATION:
 Patent No. 6,825,97
 APPLICANT: Wang, Tongtong
 APPLICANT: Fan, Liqun
 APPLICANT: Hosken, Nancy A.
 APPLICANT: Kalos, Michael D.
 APPLICANT: Fanger, Gary R.
 TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
 TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
 FILE REFERENCE: 21:0121:45566
 CURRENT APPLICATION NUMBER: US/09/480,884A
 NUMBER OF SEQ ID NOS: 330
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO: 248
 LENGTH: 20
 TYPE: PRT
 ORGANISM: Homo sapiens

US-09-480-884A-248

Query Match

Score 28.8%; Best Local Similarity 38.5%; Matches 5; Conservative	Score 30; DB 4; Length 20; Pred. No. 1.5e+02; Mismatches 4; Indels 0; Gaps 0;
-------------------------------------------------------------------------	----------------------------------------------------------------------------------

Qy 8 QDGDAITMRNVTID 20
 : ||| :| :| :|
 Db 2 ETGDPVTLLDD 14

RESULT 15

US-09-542-615A-248	Sequence 248, Application US/09542615A
--------------------	----------------------------------------

GENERAL INFORMATION:
 Patent No. 65,18256
 APPLICANT: Wang, Tongtong
 APPLICANT: Fan, Liqun
 APPLICANT: Kalos, Michael D.
 APPLICANT: Bangur, Chaitanya S.
 APPLICANT: Hosken, Nancy A.
 APPLICANT: Fanger, Gary R.
 TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
 TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
 FILE REFERENCE: 21:0121:45568
 CURRENT APPLICATION NUMBER: US/09/542,615A
 CURRENT FILING DATE: 2000-04-14
 NUMBER OF SEQ ID NOS: 350
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO: 248
 LENGTH: 20
 TYPE: PRT
 ORGANISM: Homo sapiens

US-09-542-615A-248

Query Match

Score 28.8%; Best Local Similarity 38.5%; Matches 5; Conservative	Score 30; DB 4; Length 20; Pred. No. 1.5e+02; Mismatches 4; Indels 0; Gaps 0;
-------------------------------------------------------------------------	----------------------------------------------------------------------------------

Qy 8 QDGDAITMRNVTID 20
 : ||| :| :| :|

Result No.	Score	Query	Match	Length	DB ID	Description
1	62	57.9	15	14	US-10-154-240-45	Sequence 45, App1
2	58	54.2	15	14	US-10-154-240-46	Sequence 46, App1
3	47	43.9	15	14	US-10-154-240-47	Sequence 47, App1
4	40	37.4	16	14	US-10-1567A-1876	Sequence 1876, App1
5	37	34.6	13	17	US-10-473-127-211	Sequence 211, App1
6	36	33.6	19	9	US-09-867-761-41072	Sequence 41072, A
7	35	32.7	15	14	US-10-010-095-32	Sequence 32, App1
8	35	32.7	15	14	US-10-010-095-32	Sequence 33, App1
9	35	32.7	15	14	US-10-165-044-33	Sequence 33, App1
10	35	32.7	15	15	US-10-008-009-30	Sequence 30, App1
11	35	32.7	15	17	US-10-856-109-30	Sequence 30, App1
12	35	32.7	15	17	US-10-887-785-30	Sequence 33, App1
13	35	32.7	15	17	US-10-733-195-33	Sequence 33, App1

Db 1 DALTRATNWIHD 15 Best Local Similarity 70.0%; Pred. No. 1.6; Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

RESULT 2 US-10-354-240-46 Best Local Similarity 70.0%; Pred. No. 1.6; Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

US-10-354-240-46 Publication No. US10354240 ; GENERAL INFORMATION: ;

 | APPLICANT: None, Toshio ;

 | APPLICANT: Kume, Akinori ;

 | APPLICANT: Dairiki, Kazuo ;

 | APPLICANT: Iwama, Akirao ;

 | APPLICANT: Kino, Kohsuke ;

 | TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease ;

 | FILE REFERENCE: SPO-103D1 ;

 | CURRENT APPLICATION NUMBER: US/10/354,240 ;

 | CURRENT FILING DATE: 2003-01-29 ;

 | PRIOR APPLICATION NUMBER: PCT/JP97/00740 ;

 | PRIOR FILING DATE: 1997-03-10 ;

 | PRIOR APPLICATION NUMBER: US 09/142,524 ;

 | PRIOR FILING DATE: 1998-09-09 ;

 | NUMBER OF SEQ ID NOS: 174 ;

 | SOFTWARE: PatentIn version 3.1 ;

 | SEQ ID NO: 46 ;

 | LENGTH: 15 ;

 | TYPE: PRT ;

 | ORGANISM: Cryptomeria japonica ;

 | FEATURE: NAME/KEY: MISC_FEATURE ;

 | LOCATION: (1).-(15) ;

 | OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 32 ;

US-10-354-240-46 Query Match 54.2%; Score 58; DB 14; Length 15; Best Local Similarity 60.0%; Pred. No. 0.03; Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0; ;

Db 6 RNWTDWTDHNSLSD 20 Best Local Similarity 60.0%; Pred. No. 0.03; Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0; ;

Db 1 RTATNINWDHNSFSN 15 Best Local Similarity 60.0%; Pred. No. 0.03; Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0; ;

RESULT 3 US-10-354-240-47 Best Local Similarity 60.0%; Pred. No. 0.03; Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0; ;

US-10-354-240-47 Publication No. US20030185847A1 ; GENERAL INFORMATION: ;

 | APPLICANT: None, Toshio ;

 | APPLICANT: Kume, Akinori ;

 | APPLICANT: Dairiki, Kazuo ;

 | APPLICANT: Iwama, Akirao ;

 | APPLICANT: Kino, Kohsuke ;

 | TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease ;

 | FILE REFERENCE: SPO-103D1 ;

 | CURRENT APPLICATION NUMBER: US/10/354,240 ;

 | CURRENT FILING DATE: 2003-01-29 ;

 | PRIOR APPLICATION NUMBER: PCT/JP97/00740 ;

 | PRIOR FILING DATE: 1997-03-10 ;

 | PRIOR APPLICATION NUMBER: US 09/142,524 ;

 | PRIOR FILING DATE: 1998-09-09 ;

 | NUMBER OF SEQ ID NOS: 174 ;

 | SOFTWARE: PatentIn version 3.1 ;

 | SEQ ID NO: 47 ;

 | LENGTH: 15 ;

 | TYPE: PRT ;

 | ORGANISM: Cryptomeria japonica ;

 | FEATURE: NAME/KEY: MISC_FEATURE ;

 | LOCATION: (1).-(15) ;

 | OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 33 ;

US-10-354-240-47 Query Match 43.9%; Score 47; DB 14; Length 15; ;

Qy 11 VWDHNSLSD 20 Best Local Similarity 60.0%; Pred. No. 50; Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0; ;

Db 1 IWIDHNSFSN 10 Best Local Similarity 60.0%; Pred. No. 50; Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0; ;

RESULT 4 US-10-225-567A-1876 Best Local Similarity 60.0%; Pred. No. 50; Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0; ;

US-10-225-567A-1876 Sequence 1876 Application US/10225567A ;

 | Publication No. US20030113798A1 ; GENERAL INFORMATION: ;

 | APPLICANT: Lifespan Biosciences ;

 | APPLICANT: Brown, Joseph P. ;

 | APPLICANT: Burmer, Glenna C. ;

 | APPLICANT: Roush, Christine L. ;

 | TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS ;

 | FILE REFERENCE: 1920-4-4 ;

 | CURRENT APPLICATION NUMBER: US/10/225,567A ;

 | CURRENT FILING DATE: 2001-12-19 ;

 | PRIOR APPLICATION NUMBER: 60/257,144 ;

 | PRIOR FILING DATE: 2000-12-19 ;

 | NUMBER OF SEQ ID NOS: 2292 ;

 | SOFTWARE: PatentIn version 3.1 ;

 | SEQ ID NO: 1876 ;

 | LENGTH: 16 ;

 | TYPE: PRT ;

 | ORGANISM: Homo sapiens ;

US-10-225-567A-1876 Query Match 37.4%; Score 40; DB 14; Length 16; ;

Qy 4 TMRNTDWD 14 Best Local Similarity 54.5%; Pred. No. 21; Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0; ;

Db 2 TIEANTDMD 12 Best Local Similarity 54.5%; Pred. No. 21; Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0; ;

RESULT 5 US-10-473-127-211 Best Local Similarity 54.5%; Pred. No. 21; Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0; ;

US-10-473-127-211 Sequence 211 Application US/10473127 ;

 | Publication No. US20040236691A1 ; GENERAL INFORMATION: ;

 | APPLICANT: Zycos Inc. ;

 | TITLE OF INVENTION: TRANSLATIONAL PROFILING ;

 | FILE REFERENCE: 08191-026W01 ;

 | CURRENT APPLICATION NUMBER: US/10/473,127 ;

 | PRIOR APPLICATION NUMBER: 60/279,495 ;

 | PRIOR FILING DATE: 2001-09-26 ;

 | PRIOR APPLICATION NUMBER: 60/310,801 ;

 | PRIOR FILING DATE: 2001-09-28 ;

 | PRIOR APPLICATION NUMBER: 60/292,544 ;

 | PRIOR FILING DATE: 2001-05-21 ;

 | PRIOR APPLICATION NUMBER: 60/326,370 ;

 | PRIOR FILING DATE: 2001-10-01 ;

 | PRIOR APPLICATION NUMBER: 60/336,780 ;

 | PRIOR FILING DATE: 2001-12-04 ;

 | PRIOR APPLICATION NUMBER: 60/358,985 ;

 | PRIOR FILING DATE: 2002-02-20 ;

 | NUMBER OF SEQ ID NOS: 2041 ;

 | SOFTWARE: FastSEQ for Windows Version 4.0 ;

 | SEQ ID NO: 211 ;

 | LENGTH: 13 ;

 | TYPE: PRT ;

 | ORGANISM: Homo sapiens ;

US-10-473-127-211 Query Match 34.6%; Score 37; DB 17; Length 13; ;

Qy 1.1 VWDHNSUSD 20
Db 1 VFLDHNALPD 10

RESULT 6
US-09-864-761-41072
; Sequence 41072, Application US/09864761
; Patent No US20020048763A1

GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Aemica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-17
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00660
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
NUMBER OF SEQ ID NOS: 4917
SEQ ID NO: 41072
LENGTH: 19
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE: SOFTWARE: Amaxomax Sequence Listing Engine vers. 1.1

OTHER INFORMATION: MAP TO AL121585.13
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.8
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.6
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.7
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.6
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.5
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 3.5
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 4.1
OTHER INFORMATION: EST_HUMAN HIT: A1719171.1, EVALUE 4.00e-04

RESULT 7
US-10-011-095-32
; Sequence 32, Application US/10011095
; Publication No. US20030045642A1
GENERAL INFORMATION:
APPLICANT: Afar, Daniel
APPLICANT: Leong, Kahan
APPLICANT: Raitano, Arthur B.
APPLICANT: Saffran, Douglas C.
APPLICANT: Mitchell, Steve Chappell
TITLE OF INVENTION: ANTIBODIES IMMUNOSPECIFIC FOR STEAP1 (AS AMENDED)
FILE REFERENCE: 511582001510
CURRENT APPLICATION NUMBER: US/10/011,095
CURRENT FILING DATE: 2001-12-06
PRIOR APPLICATION NUMBER: 09/323,873
PRIOR FILING DATE: 1999-06-01
PRIOR APPLICATION NUMBER: 60/087,520
PRIOR FILING DATE: 1998-06-01
PRIOR APPLICATION NUMBER: 60/091,183
PRIOR FILING DATE: 1998-06-30
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 32
LENGTH: 15
TYPE: PRT
ORGANISM: Homo sapiens

RESULT 8
US-10-011-095-32
; Sequence 32, Application US/10011095
; Publication No. US20030045642A1
GENERAL INFORMATION:
APPLICANT: Afar, Daniel
APPLICANT: Leong, Kahan
APPLICANT: Raitano, Arthur B.
APPLICANT: Saffran, Douglas C.
APPLICANT: Mitchell, Steve Chappell
TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF
FILE REFERENCE: 511582001501
CURRENT APPLICATION NUMBER: US/10/010,667A-32
CURRENT FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: 09/323,873
PRIOR FILING DATE: 1999-06-01
PRIOR APPLICATION NUMBER: 60/087,520
PRIOR FILING DATE: 1998-06-01
PRIOR APPLICATION NUMBER: 60/091,183
PRIOR FILING DATE: 1998-06-30
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSEQ for Windows Version 4.0

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; SEQ ID NO: 32 ; TITLE OF INVENTION: EXPRESSED IN HUMAN CANCERS AND USES THEREOF
; LENGTH: 15 ; FILE REFERENCE: 511582001603
; TYPE: PRT ; CURRENT APPLICATION NUMBER: US/10/408,009
; ORGANISM: Homo sapiens ; CURRENT FILING DATE: 2003-04-04
; US-10-010-667A-32 ; PRIORITY APPLICATION NUMBER: 09/455,486
; PRIORITY APPLICATION NUMBER: 1999-12-06
; PRIORITY APPLICATION NUMBER: 1999-06-01
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 30
; LENGTH: 15
; TYPE: PRT ; ORGANISM: Homo sapiens
; US-10-408-009-30

RESULT 9
US-10-165-044-33 ; Query Match Score 35; DB 14; Length 15;
; Sequence 33, Application US/10165044
; Publication No. US20030149531A1 ; Best Local Similarity 50.0%; Pred. No. 1.2e+02; Mismatches 2; Indels 0; Gaps 0;
; GENERAL INFORMATION: ; Matches 5; Conservative 3; Insertions 0; Deletions 0; Gaps 0;
; APPLICANT: Agensys, Inc. ; QY 6 RNVTDWIDH 15
; APPLICANT: Arthur B. Raitano ; DB 6 QNKEDAWIEH 15
; APPLICANT: Douglas C. Saffran
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Steven Chappell Mitchell
; APPLICANT: Mary Paris
; APPLICANT: Aya Jakobovits
; TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
; FILE REFERENCE: 51158-2016-02
; CURRENT APPLICATION NUMBER: US/10/165,044
; CURRENT FILING DATE: 2002-06-06
; PRIORITY APPLICATION NUMBER: US 60/087,520
; PRIORITY FILING DATE: 1998-06-01
; PRIORITY APPLICATION NUMBER: US 60/091,183
; PRIORITY FILING DATE: 1998-06-20
; PRIORITY APPLICATION NUMBER: US 09/323,873
; PRIORITY FILING DATE: 1999-06-01
; PRIORITY APPLICATION NUMBER: US 09/455,486
; PRIORITY FILING DATE: 1999-12-16
; PRIORITY APPLICATION NUMBER: WO 99/62941
; PRIORITY FILING DATE: 1999-06-01
; PRIORITY APPLICATION NUMBER: PCT/US00/33040
; PRIORITY FILING DATE: 2000-12-06
; NUMBER OF SEQ ID NOS: 57
; SEQ ID NO: 33
; LENGTH: 15
; TYPE: PRT ; ORGANISM: Homo sapiens
; US-10-165-044-33

RESULT 10
US-10-408-009-30 ; Query Match Score 35; DB 14; Length 15;
; Sequence 33, Application US/10408009
; Publication No. US20040072196A1 ; Best Local Similarity 50.0%; Pred. No. 1.2e+02; Mismatches 2; Indels 0; Gaps 0;
; GENERAL INFORMATION: ; Matches 5; Conservative 3; Insertions 0; Deletions 0; Gaps 0;
; APPLICANT: Daniel E. Afar
; APPLICANT: Arthur B. Raitano
; APPLICANT: Douglas C. Saffran
; APPLICANT: Stephen C. Mitchell
; TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
; US-10-408-009-30

RESULT 11
US-10-856-109-30 ; Query Match Score 35; DB 15; Length 15;
; Sequence 30, Application US/10856109
; Publication No. US20040219591A1 ; Best Local Similarity 50.0%; Pred. No. 1.2e+02; Mismatches 2; Indels 0; Gaps 0;
; GENERAL INFORMATION: ; Matches 5; Conservative 3; Insertions 0; Deletions 0; Gaps 0;
; APPLICANT: Daniel E. Afar
; APPLICANT: Arthur B. Raitano
; APPLICANT: Douglas C. Saffran
; APPLICANT: Stephen C. Mitchell
; TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
; FILE REFERENCE: 511582001606
; CURRENT APPLICATION NUMBER: US/10/856,109
; CURRENT FILING DATE: 2004-05-28
; PRIORITY APPLICATION NUMBER: US 09/455,486
; PRIORITY FILING DATE: 1999-12-06
; PRIORITY APPLICATION NUMBER: US 09/323,873
; PRIORITY FILING DATE: 1999-06-01
; PRIORITY APPLICATION NUMBER: US 60/087,520
; PRIORITY FILING DATE: 1998-06-01
; PRIORITY APPLICATION NUMBER: US 60/091,183
; PRIORITY FILING DATE: 1998-06-30
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO: 30
; LENGTH: 15
; TYPE: PRT ; ORGANISM: Homo sapiens
; US-10-856-109-30

RESULT 12
US-10-857-785-30 ; Query Match Score 35; DB 17; Length 15;
; Sequence 30, Application US/10857785
; Publication No. US20040219162A1 ; Best Local Similarity 50.0%; Pred. No. 1.2e+02; Mismatches 2; Indels 0; Gaps 0;
; GENERAL INFORMATION: ; Matches 5; Conservative 3; Insertions 0; Deletions 0; Gaps 0;
; APPLICANT: Daniel E. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Arthur B. Raitano
; APPLICANT: Douglas C. Saffran
; APPLICANT: Stephen C. Mitchell
; TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
; US-10-857-785-30

```

APPLICANT: Douglas C. Saffran
 APPLICANT: Stephen C. Mitchell
 TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
 FILE REFERENCE: 511582001607
 CURRENT APPLICATION NUMBER: US/10/857,785
 CURRENT FILING DATE: 2004-05-28
 PRIOR APPLICATION NUMBER: US 09/455,486
 PRIOR FILING DATE: 1999-12-06
 PRIOR APPLICATION NUMBER: US 09/323,873
 PRIOR FILING DATE: 1999-06-01
 PRIOR APPLICATION NUMBER: US 60/087,520
 PRIOR FILING DATE: 1998-06-01
 PRIOR APPLICATION NUMBER: US 60/091,183
 PRIOR FILING DATE: 1998-06-30
 NUMBER OF SEQ ID NOS: 47
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 30
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-857-785-30

Query Match Score 35; DB 17; Length 15;
 Best Local Similarity 50.0%; Pred. No. 1.2e+02;
 Matches 5; Conservative 2; Mismatches 3; Indels 0;
 Gaps 0;
 Qy 6 RNVTDWIDH 15
 Db 6 QNKEDAWIEH 15

RESULT 14
 US-10-432-422-88
 ; Sequence 88, Application US/10432422
 ; Publication No. US200404076381A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Syngenta Participations AG
 ; CORNELL RESEARCH FOUNDATION, INC.
 ; APPLICANT: Yoder, Olen
 ; APPLICANT: Turgeon, Barbara G.
 ; APPLICANT: Lu, Shen-wen
 ; TITLE OF INVENTION: Fungal Iron Reductase Gene
 ; FILE REFERENCE: 1360-017W01
 ; CURRENT APPLICATION NUMBER: US/10/432,422
 ; CURRENT FILING DATE: 2003-05-21
 ; PRIORITY NUMBER: US 60/252,732
 ; PRIOR FILING DATE: 2000-11-22
 ; PRIORITY NUMBER: US 60/252,649
 ; PRIOR FILING DATE: 2000-11-22
 ; NUMBER OF SEQ ID NOS: 210
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 88
 ; LENGTH: 14
 ; TYPE: PRT
 ; ORGANISM: Cochliobolus heterostrophus
 US-10-432-422-88

Query Match Score 34; DB 15; Length 14;
 Best Local Similarity 50.0%; Pred. No. 1.6e+02;
 Matches 5; Conservative 3; Mismatches 2; Indels 0;
 Gaps 0;
 Qy 10 DVWDHNSLS 19
 Db 2 BIWVDSPLS 11

RESULT 15
 US-10-225-567A-1795
 ; Sequence 1795, Application US/10225567A
 ; Publication No. US2003011379A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lifespan Biosciences
 ; APPLICANT: Brown, Joseph P.
 ; APPLICANT: Burner, Glenna C.
 ; APPLICANT: Roush, Christine L.
 ; TITLE OF INVENTION: ANTAGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
 ; CURRENT APPLICATION NUMBER: US/10/225,567A
 ; CURRENT FILING DATE: 2001-12-19
 ; PRIORITY NUMBER: 60/257,144
 ; PRIOR FILING DATE: 2000-12-19
 ; NUMBER OF SEQ ID NOS: 2292
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO: 1795
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-225-567A-1795

Query Match Score 34; DB 14; Length 20;
 Best Local Similarity 40.0%; Pred. No. 2.4e+02;
 Matches 6; Conservative 3; Mismatches 6; Indels 0;
 Gaps 0;
 Qy 6 RNVTDWIDHNSLD 20
 Db 5 QTVVTTWVLHALSD 19

Query Match Score 35; DB 17; Length 15;
 Best Local Similarity 50.0%; Pred. No. 1.2e+02;
 Matches 5; Conservative 2; Mismatches 3; Indels 0;
 Gaps 0;
 Qy 6 RNVTDWIDHNSLD 20
 Db 5 QTVVTTWVLHALSD 19

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OM protein - protein search, using SW mode1

Run on: January 25, 2005, 15:54:02 ; Search time 14.6 Seconds
(without alignments)

Title: US-09-202-464-18

Perfect score: 107

Sequence: 1 DAITMRNVTDVWIDHNSLSD 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0
Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:
5: /cgn2_6/ptodata/1/iaa/PC7US_COMB.pep:
6: /cgn2_6/ptodata/1/iaa/backtiles.pep:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Score	Match	Length	DB	ID	Description
1		77	72.0	20	3	US-09-467-023-41	Sequence 41, Appl
2		62	57.9	15	4	US-09-142-524D-45	Sequence 45, Appl
3		58	54.2	15	4	US-09-142-524D-46	Sequence 46, Appl
4		58	54.2	20	3	US-09-467-023-203	Sequence 203, Appl
5		55	51.4	18	3	US-08-467-023-210	Sequence 210, Appl
6		53	49.5	16	3	US-08-467-023-212	Sequence 212, Appl
7		53	49.5	18	3	US-09-467-023-211	Sequence 211, Appl
8		47	43.9	15	4	US-09-142-524D-47	Sequence 47, Appl
9		47	43.9	20	3	US-08-467-023-42	Sequence 42, Appl
10		35	32.7	15	3	US-09-323-873A-32	Sequence 32, Appl
11		34	31.8	5	3	US-08-981-122-77	Sequence 77, Appl
12		30	28.0	15	4	US-09-142-524D-44	Sequence 44, Appl
13		30	28.0	17	1	US-08-370-567-5	Sequence 5, Appl
14		30	28.0	17	1	US-08-438-759-5	Sequence 5, Appl
15		30	28.0	17	4	US-09-428-082B-198	Sequence 198, Appl
16		30	28.0	17	5	PCT-US94-05684-5	Sequence 5, Appl
17		30	28.0	20	3	US-08-467-023-40	Sequence 40, Appl
18		29	27.1	16	3	US-08-462-436-22	Sequence 22, Appl
19		29	27.1	16	3	US-08-455-275-22	Sequence 22, Appl
20		29	27.1	16	4	US-08-610-877-22	Sequence 22, Appl
21		29	27.1	16	4	US-09-799-57A-22	Sequence 22, Appl
22		29	27.1	16	4	US-09-799-540-22	Sequence 22, Appl
23		29	27.1	17	4	US-09-066-330-1	Sequence 1, Appl
24		29	27.1	19	1	US-08-209-525-29	Sequence 29, Appl
25		29	27.1	20	1	US-08-466-033-85	Sequence 85, Appl
26		29	27.1	20	1	US-08-466-033-89	Sequence 89, Appl
27		29	27.1	20	2	US-08-444-733-85	Sequence 85, Appl

ALIGNMENTS

RESULT 1
US-08-467-023-41

; Sequence 41, Application US/08467023
; Patent No. 6090386

GENERAL INFORMATION:

APPLICANT: Griffeth, Irwin J. ;
APPLICANT: Pollock, Joanne ;
APPLICANT: Bond, Julian F. ;
APPLICANT: Garman, Richard D. ;
APPLICANT: Kuo, Mei-Chang ;
APPLICANT: Young, Siu-wei H. ;
APPLICANT: Brauer, Andrew ;
APPLICANT: Eakley, Mark A. ;
APPLICANT: Powers, Steven P. ;
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEES: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 024154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASIFICATION: 424
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5411
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal

US-08-467-023-41
 Query Match 72.0%; Score 77; DB 3; Length 20;
 Best Local Similarity 60.0%; Pred. No. 1e-05;
 Matches 12; Conservative 5; Mismatches 3; Indels 0;
 Gaps 0;
 Qy 1 DAITMRNVTDWIDHNSLSD 20
 Db 1 DALITRTATNWIIDHNSFSN 20

RESULT 2
 US-09-142-524D-45
 Sequence 45, Application US/09142524D
 / GENERAL INFORMATION:
 / Patent No. 6719976
 / APPLICANT: Sone, Toshio
 / APPLICANT: Kume, Akinori
 / APPLICANT: Dairiki, Kazuo
 / APPLICANT: Iwama, Akiko
 / APPLICANT: Kino, Kohsuke
 / TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 / FILE REFERENCE: SPO-103
 / CURRENT APPLICATION NUMBER: US/09/142,524D
 / CURRENT FILING DATE: 1998-09-09
 / PRIOR APPLICATION NUMBER: PCT/JP97/00740
 / PRIOR FILING DATE: 1997-03-10
 / NUMBER OF SEQ ID NOS: 174
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO 45
 / LENGTH: 15
 / TYPE: PRT
 / ORGANISM: Cryptomeria japonica
 / FEATURE:
 / NAME/KEY: MISC_FEATURE
 / LOCATION: (1)-(15)
 / OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 31
 US-09-142-524D-45
 Query Match 57.9%; Score 62; DB 4; Length 15;
 Best Local Similarity 60.0%; Pred. No. 0.001e-2;
 Matches 9; Conservative 4; Mismatches 2; Indels 0;
 Gaps 0;
 Qy 1 DAITMRNVTDWIDH 15
 Db 1 DALITRTATNWIIDH 15

RESULT 3
 US-09-142-524D-46
 / Sequence 46, Application US/09142524D
 / GENERAL INFORMATION:
 / Patent No. 6719976
 / APPLICANT: Sone, Toshio
 / APPLICANT: Kume, Akinori
 / APPLICANT: Dairiki, Kazuo
 / APPLICANT: Iwama, Akiko
 / APPLICANT: Kino, Kohsuke
 / TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 / FILE REFERENCE: SPO-103
 / CURRENT APPLICATION NUMBER: US/09/142,524D
 / CURRENT FILING DATE: 1998-09-09
 / PRIOR APPLICATION NUMBER: PCT/JP97/00740
 / NUMBER OF SEQ ID NOS: 174
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO 46
 / LENGTH: 15
 / TYPE: PRT
 / ORGANISM: Cryptomeria japonica
 / FEATURE:
 / NAME/KEY: MISC_FEATURE
 / LOCATION: (1)-(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 32
 US-09-142-524D-46
 Query Match 54.2%; Score 58; DB 4; Length 15;
 Best Local Similarity 60.0%; Pred. No. 0.0069e-3;
 Matches 9; Conservative 3; Mismatches 3; Indels 0;
 Gaps 0;
 Qy 6 RNVTDWIDHNSLSD 20
 Db 1 RTATNWIIDHNSFSN 15

RESULT 4
 US-08-467-023-203
 / Sequence 203, Application US/08467023
 / Patent No. 670386
 / GENERAL INFORMATION:
 / APPLICANT: Griffeth, Irwin J.;
 / APPLICANT: Pollock, Joanne;
 / APPLICANT: Bond, Julian F.;
 / APPLICANT: Garman, Richard D.;
 / APPLICANT: Kuo, Mei-Chang;
 / APPLICANT: Yeung, Siu-mei H.;
 / APPLICANT: Brauer, Andrew;
 / APPLICANT: Exley, Mark A.;
 / APPLICANT: Powers, Steven P.
 / TITLE OF INVENTION: Allergenic Proteins And Peptides From
 / TITLE OF INVENTION: Japanese Cedar Pollen
 / NUMBER OF SEQUENCES: 261
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 / STREET: 610 Lincoln St
 / CITY: Waltham
 / STATE: MA
 / COUNTRY: USA
 / ZIP: 02154
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: PatentIn Release #1.0, Version #1.25
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/467,023
 / FILING DATE: June 6, 1995
 / CLASSIFICATION: 424
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: 08/350,225
 / FILING DATE: December 6, 1994
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Jane E. Remillard
 / REGISTRATION NUMBER: 38,872
 / REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-02BCPBD2)
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (617) 227-7400
 / TELEFAX: (617) 227-5341
 / INFORMATION FOR SEQ ID NO 203:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 20 amino acids
 / TYPE: amino acid
 / TOPOLOGY: Linear
 / MOLECULE TYPE: peptide
 / FRAGMENT TYPE: internal
 US-08-467-023-203
 Query Match 54.2%; Score 58; DB 3; Length 20;
 Best Local Similarity 60.0%; Pred. No. 0.00957e-3;
 Matches 9; Conservative 3; Mismatches 3; Indels 0;
 Gaps 0;
 Qy 6 RNVTDWIDHNSLSD 20
 Db 2 RTATNWIIDHNSFSN 16

RESULT 5
 US-08-467-023-210
 Sequence 210, Application US/08467023
 Patent No. 6090386
 GENERAL INFORMATION:
 APPLICANT: Griffith, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Young, Siu-meI H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 ZIP: 02154
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 212:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 16 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-212

Query Match 6 RNVTDWIDHNS 17
 Best Local Similarity 49.5%; Score 53; DB 3; Length 16;
 Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
 Qy 6 RNVTDWIDHNS 17
 Db 2 RTATNIDHNS 13

RESULT 7
 US-08-467-023-211
 Sequence 211, Application US/08467023
 Patent No. 6090386
 GENERAL INFORMATION:
 APPLICANT: Griffeth, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Young, Siu-meI H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02154

Query Match 6 RNVTDWIDHNSLSD 20
 Best Local Similarity 51.4%; Score 55; DB 3; Length 18;
 Matches 9; Conservative 2; Mismatches 4; Indels 0; Gaps 0;
 Qy 6 RNVTDWIDHNSLSD 20
 Db 4 RTATNIDHNSDDE 18

RESULT 6
 US-08-467-023-212
 Sequence 212, Application US/08467023
 Patent No. 6090386
 GENERAL INFORMATION:
 APPLICANT: Griffith, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Young, Siu-meI H.;
 APPLICANT: Brauer, Andrew;

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 211:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 18 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-211

SEQUENCE FOR SEQ ID NO: 211:
 LENGTH: 18 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-211

Query Match 6 RNTDWDHNS 17
 Best Local Similarity 49.5%; Score 53; DB 3; Length 18;
 Matches 8; Conservative 66.7%; Pred. No. 0.052;
 Mismatches 2; Indels 0; Gaps 0;
 Db 4 RTATNWDHNS 15

RESULT 8
 US-09-142-524D-47
 Sequence 47, Application US/09142524D
 Patent No. 6719976
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SEQ-103
 CURRENT APPLICATION NUMBER: US/09/142,524D
 CURRENT FILING DATE: 1998-09-09
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 47
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE: (1)-(15)
 OTHER INFORMATION: Cry11 peptide, Figure 1, Row 33

Query Match 11 VWDHNSLSD 20
 Best Local Similarity 43.9%; Score 47; DB 4; Length 15;
 Matches 7; Conservative 70.0%; Pred. No. 0.37;
 Mismatches 1; Indels 0; Gaps 0;
 Db 1 IWIDHNSFSN 10

RESULT 9
 US-08-467-023-42
 Sequence 42, Application US/08467023
 Patent No. 6090386
 GENERAL INFORMATION:
 APPLICANT: Griffeth, Irwin J.;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Garman, Richard D.;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Young, Siu-mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.;
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 NUMBER OF SEQUENCES: 261
 NUMBER OF INVENTION: Japanese Cedar Pollen
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02154
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5414
 INFORMATION FOR SEQ ID NO: 42:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-42

Query Match 11 VWDHNSLSD 20
 Best Local Similarity 43.9%; Score 47; DB 3; Length 20;
 Matches 7; Conservative 70.0%; Pred. No. 0.52;
 Mismatches 1; Indels 0; Gaps 0;

Db 1 IWIDHNSFSN 10

RESULT 10
 US-09-323-873A-32
 Sequence 32, Application US/09323873A
 Patent No. 6329503
 GENERAL INFORMATION:
 APPLICANT: Daniel E. Afar
 APPLICANT: Rene S. Hubert
 APPLICANT: Kahlan Leong
 APPLICANT: Arthur B. Raitano
 APPLICANT: Douglas C. Saffran
 APPLICANT: Steve Chappell Mitchell

TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
 FILE REFERENCE: 122.160502
 CURRENT APPLICATION NUMBER: US/09/3223,873A
 CURRENT FILING DATE: 1999-06-01
 PRIOR APPLICATION NUMBER: 60/087,520
 PRIOR FILING DATE: 1998-06-01
 PRIOR APPLICATION NUMBER: 60/091,183
 PRIOR FILING DATE: 1998-06-30
 NUMBER OF SEQ ID NOS: 32
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 32
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Homo Sapiens
 US-09-3223-873A-32

Query Match 32.7%; Score 35; DB 3; Length 15;
 Best Local Similarity 50.0%; Pred. No. 29;
 Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
 Qy 6 RAYTDWIDH 15
 Db 6 QNKEDAWIEH 15

RESULT 11
 US-08-981-122-77
 Sequence 77, Application US/08981122B
 Patent No. 6127339
 GENERAL INFORMATION
 APPLICANT: Hatanaka, Yoshihiro
 APPLICANT: Arimoto, Masaharu
 TITLE OF INVENTION: Peptide for binding thereto a low density lipoprotein
 FILE REFERENCE:
 CURRENT APPLICATION NUMBER: US/08/981,122B
 CURRENT FILING DATE: 1997-12-18
 PRIOR APPLICATION NUMBER: JP 7-176904
 PRIOR FILING DATE: 1995-06-21
 PRIOR APPLICATION NUMBER: PCT/JP96/01734
 PRIOR FILING DATE: 1996-06-21
 NUMBER OF SEQ ID NOS: 90
 SEQ ID NO: 77
 LENGTH: 5
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE: INFORMATION Sequence of a peptide synthesized in Comparative Example 2 from
 Patent No. 6127339
 OTHER INFORMATION: L-form F-moc amino acids by solid phase method using a
 OTHER INFORMATION: multipeptide synthesizing system (Ramps)
 US-08-981-122-77

Query Match 31.8%; Score 34; DB 3; Length 5;
 Best Local Similarity 80.0%; Pred. No. 3, 8e+05;
 Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 Qy 12 WIDHN 16
 Db 1 WIDHN 5

RESULT 12
 US-09-142-524D-44
 Sequence 44, Application US/09142524D
 GENERAL INFORMATION
 APPLICANT: Some, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103
 CURRENT APPLICATION NUMBER: US/09/142,524D
 CURRENT FILING DATE: 1998-09-09
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 44
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC_FEATURE
 LOCATION: (1) .(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 30
 US-09-142-524D-44

Query Match 28.0%; Score 30; DB 4e-02; Length 15;
 Best Local Similarity 50.0%; Pred. No. 1,7e+02;
 Matches 5; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
 Qy 1 DAITMRNVTD 10
 Db 6 DALTRATATN 15

RESULT 13
 US-08-370-567-5
 Sequence 5, Application US/08370567
 Patent No. 5656726
 GENERAL INFORMATION:
 APPLICANT: Rosenberg, Steven
 APPLICANT: Doyle, Michael
 APPLICANT: Goodson, Robert
 TITLE OF INVENTION: Peptide Inhibitors of Urokinase Receptor
 NUMBER OF SEQUENCES: 37
 CORRESPONDENCE ADDRESS:
 ADDRESS: Chiron Corporation
 STREET: 4560 Horton Street
 CITY: Emeryville
 STATE: CA
 COUNTRY: USA
 ZIP: 94608
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/370,567
 FILING DATE:
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/061,514
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Green, Grant D.
 REGISTRATION NUMBER: 31,259
 REFERENCE/DOCKET NUMBER: 0941.001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 510-601-2706
 TELEFAX: 510-655-3542
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 HYPOTHETICAL: NO
 US-08-370-567-5

RESULT 14
 Query Match Similarity 28.0%; Score 30; DB 1; Length 17;
 Best Local Similarity 50.0%; Pred. No. 2e+02;
 Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
 APPLICANT: CHEETHAM, JANET C.
 APPLICANT: BOONE, THOMAS CHARLES
 TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
 FILE REFERENCE: A-527
 CURRENT APPLICATION NUMBER: US/09/428,082B
 CURRENT FILING DATE: 1999-10-22
 PRIOR APPLICATION NUMBER: 60/105,371
 PRIOR FILING DATE: 1998-10-23
 NUMBER OF SEQ ID NOS: 1123
 SOFTWARE: Patentin version 3.1
 SEQ ID NO: 198
 LENGTH: 17
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURES:
 OTHER INFORMATION: UKR ANTAGONIST PEPTIDE
 US-09-428-082B-198

Query Match Similarity 28.0%; Score 30; DB 4; Length 17;
 Best Local Similarity 50.0%; Pred. No. 2e+02;
 Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
 APPLICANT: Rosenberg, Steven
 APPLICANT: Doyle, Michael
 APPLICANT: Goodson, Robert
 TITLE OF INVENTION: Peptide Inhibitors of Urokinase Receptor
 TITLE OF INVENTION: Activity
 NUMBER OF SEQUENCES: 37
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Chiron Corporation
 STREET: 4560 Horton Street
 CITY: Emeryville
 STATE: CA
 COUNTRY: USA
 ZIP: 94608

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/438,759
 FILING DATE:
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/370,567
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Green, Grant D.
 REFERENCE/DOCKET NUMBER: 31,259
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 510-601-2706
 TELEFAX: 510-655-3542
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 HYPOTHETICAL: NO

US-08-438-759-5

Query Match Similarity 28.0%; Score 30; DB 1; Length 17;
 Best Local Similarity 50.0%; Pred. No. 2e+02;
 Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
 APPLICANT: Fige, Ulrich
 APPLICANT: Liu, Chuan-fa

RESULT 15
 US-09-428-082B-198
 Sequence 198, Application US/09428082B
 Patent No. 6660843
 GENERAL INFORMATION:
 APPLICANT: Fige, Ulrich
 APPLICANT: Liu, Chuan-fa

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OM protein - protein search, using sw model

Run on: January 26, 2005, 16:03:29 ; Search time 55.4 Seconds
(without alignments)
130,429 Million cell updates/sec

Title: US-09-202-464-21.
Perfect score: 108

Sequence: 1 ASTGVTTNNHFFNNHKVML 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 160861 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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19: /cgn2_6/ptodata/1/pubcaa/US60_NEW_PUB.pep:*

20: /cgn2_6/ptodata/1/pubcaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	74	68.5	15	14 US-10-354-240-52	Sequence 52, Appl1
2	68	63.0	15	14 US-10-354-240-51	Sequence 51, Appl1
3	52	48.1	15	14 US-10-354-240-53	Sequence 53, Appl1
4	45	41.7	15	14 US-10-354-240-50	Sequence 50, Appl1
5	39	36.1	20	14 US-10-005-530-24	Sequence 24, Appl1
6	36	33.3	19	10 US-09-731-524-2	Sequence 2, Appl1
7	36	33.3	19	17 US-10-831-544-17	Sequence 17, Appl1
8	35	32.4	18	14 US-10-349-543-4	Sequence 4, Appl1
9	35	32.4	19	10 US-09-731-524-1	Sequence 1, Appl1
10	34	31.5	9	15 US-10-107-532-1229	Sequence 1259, Ap
11	34	31.5	9	15 US-10-107-532-1786	Sequence 1786, Ap
12	34	31.5	9	15 US-10-107-532-2854	Sequence 2854, Ap
13	34	31.5	9	15 US-10-107-532-4582	Sequence 4582, Ap

Result No.	Score	Query Match	Length	DB ID	Description
1	74	68.5	15	14 US-10-354-240-52	Sequence 52, Appl1
2	68	63.0	15	14 US-10-354-240-51	Sequence 51, Appl1
3	52	48.1	15	14 US-10-354-240-53	Sequence 53, Appl1
4	45	41.7	15	14 US-10-354-240-50	Sequence 50, Appl1
5	39	36.1	20	14 US-10-005-530-24	Sequence 24, Appl1
6	36	33.3	19	10 US-09-731-524-2	Sequence 2, Appl1
7	36	33.3	19	17 US-10-831-544-17	Sequence 17, Appl1
8	35	32.4	18	14 US-10-349-543-4	Sequence 4, Appl1
9	35	32.4	19	10 US-09-731-524-1	Sequence 1, Appl1
10	34	31.5	9	15 US-10-107-532-1229	Sequence 1259, Ap
11	34	31.5	9	15 US-10-107-532-1786	Sequence 1786, Ap
12	34	31.5	9	15 US-10-107-532-2854	Sequence 2854, Ap
13	34	31.5	9	15 US-10-107-532-4582	Sequence 4582, Ap

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OM protein - protein search, using sw model

Run on: January 26, 2005, 16:03:29 ; Search time 55.4 Seconds
(without alignments)
130,429 Million cell updates/sec

Title: US-09-202-464-21.

Perfect score: 108

Sequence: 1 ASTGVTTNNHFFNNHKVML 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 160861 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/1/pubcaa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/1/pubcaa/US06_PUB.pep:*

3: /cgn2_6/ptodata/1/pubcaa/US06_NEW_PUB.pep:*

4: /cgn2_6/ptodata/1/pubcaa/US06_PUBCOMB.pep:*

5: /cgn2_6/ptodata/1/pubcaa/US08_PUBCOMB.pep:*

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19: /cgn2_6/ptodata/1/pubcaa/US60_NEW_PUB.pep:*

20: /cgn2_6/ptodata/1/pubcaa/US60_PUBCOMB.pep:*

RESULT 1
US-10-354-240-52

Sequence 52, Application US/10354240
Publication No. US20030185847A1
GENERAL INFORMATION:
APPLICANT: Sone, Toshiro
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Konsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103D1
CURRENT FILING DATE: 2003-01-29
PRIORITY APPLICATION NUMBER: PCT/JP97/00740
PRIORITY FILING DATE: 1997-03-10
PRIORITY APPLICATION NUMBER: US 09/142,524
PRIORITY FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1

SEQ ID NO 52
LENGTH: 15
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE: MISC_FEATURE
NAME/KEY: (1)_(15)
LOCATION: (1)_(15)
OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 38
US-10-354-240-52

Query Match 9 15 Score 74; DB 14; Length 15;
Best Local Similarity 93.3%; Pred. No. 0.0013;
Matches 14; Conservative 0; Mismatches 1; Indexes 0; Gaps 0;

Qy 6 TISNNHFFNNHKVML 20

Db 1 TISNNLFFPNHKM\ 15 Best Local Similarity 100.0%; Pred. No. 0.32; 0; Indels 0; Gaps 0;

RESULT 2
 US-10-354-240-51
 / Sequence 51, Application US/10354240
 / Publication No. US20030185847A1
 / GENERAL INFORMATION
 / APPLICANT: Sone, Toshio
 / APPLICANT: Kume, Akinori
 / APPLICANT: Dairiki, Kazuo
 / APPLICANT: Iwama, Akiko
 / APPLICANT: Kino, Kohsuke
 / TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 / FILE REFERENCE: SPO-103D1
 / CURRENT APPLICATION NUMBER: US/10/354 240
 / CURRENT FILING DATE: 2003-01-29
 / PRIOR APPLICATION NUMBER: PCT/JP97/00740
 / PRIOR FILING DATE: 1997-03-10
 / PRIOR APPLICATION NUMBER: US 09/142,524
 / PRIOR FILING DATE: 1998-09-09
 / NUMBER OF SEQ ID NOS: 174
 / SEQ ID NO: 51
 / LENGTH: 15
 / TYPE: PRT
 / ORGANISM: Cryptomeria japonica
 / FEATURE: Cryptomeria japonica
 / NAME/KEY: MISC_FEATURE
 / LOCATION: (1)-(15)
 / OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 37.
 US-10-354-240-51

Query Match 1 ASTGVTTISNNHFFNH 15 Score 68; DB 14; Length 15;
 Best Local Similarity 86.7%; Pred. No. 0.0011; 1; Mismatches 1; Indels 0; Gaps 0; Matches 13; Conservative 1; Row 37.

Db 1 SSTGGTISNNLFFNH 15 Score 48.1%; DB 14; Length 15;
 Best Local Similarity 90.0%; Pred. No. 0.39; 1; Mismatches 0; Indels 0; Gaps 0; Matches 13; Conservative 1; Row 36.

RESULT 3
 US-10-354-240-53
 / Sequence 53, Application US/10354240
 / Publication No. US20030185847A1
 / GENERAL INFORMATION
 / APPLICANT: Sone, Toshio
 / APPLICANT: Kume, Akinori
 / APPLICANT: Dairiki, Kazuo
 / APPLICANT: Iwama, Akiko
 / APPLICANT: Kino, Kohsuke
 / TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 / FILE REFERENCE: SPO-103D1
 / CURRENT APPLICATION NUMBER: US/10/354 240
 / CURRENT FILING DATE: 2003-01-29
 / PRIOR APPLICATION NUMBER: PCT/JP97/00740
 / PRIOR FILING DATE: 1997-03-10
 / PRIOR APPLICATION NUMBER: US 09/142,524
 / PRIOR FILING DATE: 1998-09-09
 / SEQ ID NO: 53
 / LENGTH: 15
 / TYPE: PRT
 / ORGANISM: Cryptomeria japonica
 / FEATURE: Cryptomeria japonica
 / NAME/KEY: MISC_FEATURE
 / LOCATION: (1)-(15)
 / OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 39.
 US-10-354-240-53

Query Match 48.1%; Score 52; DB 14; Length 15;

Qy 12 FPNHKM\ 20 Best Local Similarity 100.0%; Pred. No. 0.32; 0; Indels 0; Gaps 0;

Db 2 FPNHKM\ 10

RESULT 4
 US-10-354-240-50
 / Sequence 50, Application US/10354240
 / Publication No. US20030185847A1
 / GENERAL INFORMATION
 / APPLICANT: Sone, Toshio
 / APPLICANT: Kume, Akinori
 / APPLICANT: Dairiki, Kazuo
 / APPLICANT: Iwama, Akiko
 / APPLICANT: Kino, Kohsuke
 / TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 / FILE REFERENCE: SPO-103D1
 / CURRENT APPLICATION NUMBER: US/10/354 240
 / CURRENT FILING DATE: 2003-01-29
 / PRIOR APPLICATION NUMBER: PCT/JP97/00740
 / PRIOR FILING DATE: 1997-03-10
 / PRIOR APPLICATION NUMBER: US 09/142,524
 / PRIOR FILING DATE: 1998-09-09
 / NUMBER OF SEQ ID NOS: 174
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO: 50
 / LENGTH: 15
 / TYPE: PRT
 / ORGANISM: Cryptomeria japonica
 / FEATURE: Cryptomeria japonica
 / NAME/KEY: MISC_FEATURE
 / LOCATION: (1)-(15)
 / OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 36.

US-10-354-240-50

Query Match 41.7%; Score 45; DB 14; Length 15;
 Best Local Similarity 90.0%; Pred. No. 3.9; 1; Mismatches 0; Indels 0; Gaps 0; Matches 9; Conservative 1; Row 36.

Db 6 SSTGTISNN 15

RESULT 5
 US-10-005-530-24
 / Sequence 24, Application US/10005530
 / Publication No. US20030026795A1
 / GENERAL INFORMATION
 / APPLICANT: Isaac, Barbara G.
 / APPLICANT: Greenplate, John T.
 / APPLICANT: Purcell, John P.
 / APPLICANT: Romano, Charles P.
 / TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR CONTROLLING INSECTS
 / FILE REFERENCE: 11899-0022-DV01 (MOBT:022--2)
 / CURRENT APPLICATION NUMBER: US/10/005,530
 / CURRENT FILING DATE: 2001-10-26
 / PRIOR APPLICATION NUMBER: 09/063,733
 / PRIOR FILING DATE: 1998-04-21
 / PRIOR APPLICATION NUMBER: 60/044,504
 / PRIOR FILING DATE: 1997-04-21
 / NUMBER OF SEQ ID NOS: 58
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO: 24
 / LENGTH: 20
 / TYPE: PRT
 / ORGANISM: Artificial Sequence
 / FEATURE: Synthetic Peptide
 / OTHER INFORMATION: Synthetic Peptide

US-10-005-530-24

Query Match 36.1%; Score 39; DB 14; Length 20; Db 5 GTAVSNKYFSNLH 17

Best Local Similarity 54.5%; Pred. No. 44; Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0; RESULT 8 US-10-349-543-4

Qy 5 VTI\$NNHFFNH 15 ; Sequence 4, Application US/10349543

Db 2 VVLEQNNFFNH 12 ; Publication No. US20030166514A1

GENERAL INFORMATION: ; GENERAL INFORMATION: ;

APPLICANT: Aventis Pharmaceuticals Products Inc. ; APPLICANT: Aventis Pharmaceuticals Products Inc.

TITLE OF INVENTION: Targeted Adenovirus Vectors For Delivery Of Heterologous Genes ; TITLE OF INVENTION: CYCLIC PEPTIDES THAT BIND TO UROKINASE-TYPE PLASMINOGEN ACTIVATOR RECEPTOR

FILE REFERENCE: A3319A ; CORRESPONDENCE ADDRESS: ;

CURRENT APPLICATION NUMBER: US/09/791,524 ; ADDRESS: RADLER, FISHMAN & GRAUER

PRIOR APPLICATION NUMBER: 60/09828 ; STREET: 1233 20TH STREET NW, SUITE 501

PRIOR FILING DATE: 1998-08-27 ; CITY: WASHINGTON

NUMBER OF SEQ ID NOS: 150 ; STATE: DC

SOFTWARE: PatentIn version 3.0 ; COUNTRY: USA

SEQ ID NO 2 ; ZIP: 20036

LENGTH: 19 ; COMPUTER READABLE FORM: ;

TYPE: PRT ; MEDIUM TYPE: Floppy disk

ORGANISM: Adenovirus ; COMPUTER: IBM PC compatible

US-09-791-524-2 ; OPERATING SYSTEM: PC-DOS/MS-DOS

RESULTS 6 ; SOFTWARE: PatentIn Release #1.0, Version #1.30

US-09-791-524-2 ; CURRENT APPLICATION DATA: ;

Sequence 2 Application US/09791524 ; APPLICATION NUMBER: US/10/349,543

Publication No. US20030143209A1 ; FILING DATE: 22-Jan-2003

GENERAL INFORMATION: ; CLASSIFICATION: <Unknown>

APPLICANT: Aventis Pharmaceuticals Products Inc. ; PRIORITY APPLICATION DATA: ;

TITLE OF INVENTION: Targeted Adenovirus Vectors For Delivery Of Heterologous Genes ; ATTORNEY/AGENT INFORMATION: ;

FILE REFERENCE: A3319A ; NAME: LIVNAT, SHMUEL

SEQUENCE DESCRIPTION: SEQ ID NO: 4 ; REGISTRATION NUMBER: 33,949

SEQUENCE DESCRIPTION: SEQ ID NO: 4 ; REFERENCE/DOCKET NUMBER: ANG-001/DIV (80144-0007)

SEQUENCE DESCRIPTION: SEQ ID NO: 4 ; TELECOMMUNICATION INFORMATION: ;

US-09-791-524-2 ; TELEPHONE: (202) 955-8787

Sequence 17, Application US/10821544 ; TELEFAX: (202) 955-3751

Publication No. US2004026579A1 ; INFORMATION FOR SEQ ID NO: 4:

GENERAL INFORMATION: ; SEQUENCE CHARACTERISTICS:

APPLICANT: CHAPMAN, HAROLD ; LENGTH: 18 amino acids

APPLICANT: ROSENBERG, STEVE ; TYPE: amino acid

APPLICANT: DOYLE, MICHAEL ; STRANDEDNESS: single

APPLICANT: CHAPMAN, HAROLD ; TOPOLOGY: Linear

TITLE OF INVENTION: PEPTIDE LIGANDS OF THE UROKINASE RECEPTOR ; SEQUENCE DESCRIPTION: SEQ ID NO: 4:

FILE REFERENCE: 014024-0284102 ; US-10-349-543-4

CURRENT APPLICATION NUMBER: US/10/821,544 ; Query Match 33.3%; Score 36; DB 10; Length 19;

CURRENT FILING DATE: 2004-04-09 ; Best Local Similarity 46.2%; Pred. No. 1.2e+02; Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

PRIOR APPLICATION NUMBER: US/09/155,260C ;

PRIOR FILING DATE: 1998-09-23 ;

PRIOR APPLICATION NUMBER: PCT/US97/05199 ;

PRIOR FILING DATE: 1997-03-28 ;

PRIOR APPLICATION NUMBER: 08/623,361 ;

PRIOR FILING DATE: 1996-03-18 ;

NUMBER OF SEQ ID NOS: 76 ;

SOFTWARE: PatentIn Ver. 2.1 ;

SBO ID NO 17 ; LENGTH: 19

TYPE: PRT ; ORGANISM: Artificial Sequence

FEATURE: ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

OTHER INFORMATION: peptide ligand ; OTHER INFORMATION: peptide ligand

US-10-821-544-17 ; Query Match 33.3%; Score 36; DB 17; Length 19;

Best Local Similarity 46.2%; Pred. No. 1.2e+02; Matches 2; Mismatches 5; Indels 0; Gaps 0; ;

Qy 4 GVTISNNHFFNH 16 ;

Db 1 GTCVSNKYFSNLH 13 ;

RESULTS 9 US-09-791-524-1

US-09-791-524-1 ; Sequence 1, Application US/09791524

Sequence 1, Application US/09791524 ; Publication No. US20030143209A1

GENERAL INFORMATION: ; GENERAL INFORMATION: ;

APPLICANT: Aventis Pharmaceuticals Products Inc. ; APPLICANT: Aventis Pharmaceuticals Products Inc.

TITLE OF INVENTION: Targeted Adenovirus Vectors For Delivery Of Heterologous Genes ; TITLE OF INVENTION: Targeted Adenovirus Vectors For Delivery Of Heterologous Genes

FILE REFERENCE: A3319A ; FILE REFERENCE: A3319A

CURRENT APPLICATION NUMBER: US/09/791,524 ; CURRENT APPLICATION NUMBER: US/09/791,524

PRIOR APPLICATION NUMBER: 60/09828 ; PRIOR APPLICATION NUMBER: 60/09828

PRIOR FILING DATE: 1998-08-27 ; PRIOR FILING DATE: 1998-08-27

NUMBER OF SEQ ID NOS: 150 ; NUMBER OF SEQ ID NOS: 150

SOFTWARE: PatentIn version 3.0 ; SOFTWARE: PatentIn version 3.0

Qy 4 GVTISNNHFFNH 16 ;

APPLICANT: Morrison, Karen Jane Meyrick
 APPLICANT: Morrison, Robert Kendall
 APPLICANT: Hubert, Rene S.
 APPLICANT: Afar, Daniel E.H.
 APPLICANT: Ge, Wangmao
 APPLICANT: Raitano, Arthur
 APPLICANT: Challita-Eld, Pia M.
 TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
 FILE REFERENCE: 51158-200064.00
 CURRENT APPLICATION NUMBER: US/10/107,532
 CURRENT FILING DATE: 2002-08-05
 PRIOR APPLICATION NUMBER: 60/283,112
 PRIOR FILING DATE: 2001-04-10
 PRIOR APPLICATION NUMBER: 60/286,630
 PRIOR FILING DATE: 2001-04-25
 NUMBER OF SEQ ID NOS: 6321
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 4582
 LENGTH: 9
 TYPE: PRT
 ORGANISM: Homo sapien
 US-10-107-532-4582

Query Match 31.5%; Score 34; DB 15; Length 9;
 Best Local Similarity 50.0%; Pred. No. 1.5e+06;
 Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
 Qy |::|:
 Db 10 NHFFNHK 17
 |::|:
 1 NRFYSHHR 8

RESULT 14
 US-10-107-532-4644
 / Sequence 4644, Application US/10107532
 / Publication No. US20040003418A1
 / GENERAL INFORMATION:
 / APPLICANT: Agensys, Inc.
 / APPLICANT: Jakobovits, Aya
 / APPLICANT: Paris, Mary
 / APPLICANT: Morrison, Karen Jane Meyrick
 / APPLICANT: Raitano, Arthur
 / APPLICANT: Challita-Eld, Pia M.
 / TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
 / FILE REFERENCE: 51158-200064.00
 CURRENT APPLICATION NUMBER: US/10/107,532
 CURRENT FILING DATE: 2002-08-05
 PRIOR APPLICATION NUMBER: 60/283,112
 PRIOR FILING DATE: 2001-04-10
 PRIOR APPLICATION NUMBER: 60/286,630
 NUMBER OF SEQ ID NOS: 6321
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 4644
 LENGTH: 9
 TYPE: PRT
 ORGANISM: Homo sapien
 US-10-107-532-4644

Query Match 31.5%; Score 34; DB 15; Length 9;
 Best Local Similarity 50.0%; Pred. No. 1.5e+06;
 Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
 Qy |::|:
 Db 10 NHFFNHK 17
 |::|:
 3 NRFYSHHR 10

Search completed: January 26, 2005, 16:54:59
 Job time : 56.5 secs

Query Match 31.5%; Score 34; DB 15; Length 10;
 Best Local Similarity 50.0%; Pred. No. 1.2e+02;
 Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
 Qy |::|:
 Db 10 NHFFNHK 17
 |::|:
 3 NRFYSHHR 10

Query Match 31.5%; Score 34; DB 15; Length 10;
 Best Local Similarity 50.0%; Pred. No. 1.2e+02;
 Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
 Qy |::|:
 Db 10 NHFFNHK 17
 |::|:
 1 NRFYSHHR 8

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OM protein - protein search, using sw model

Run on: January 26, 2005, 15:54:02 ; Search time 14.6 Seconds
(without alignments)

90.847 Million cell updates/sec

Title: US-09-202-464-21.

Perfect score: 108

Sequence: 1 ASTGVTISNNHFFNHKYM 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing First 45 summaries

Database : Issued_Patents_AA:*

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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/PCTUS_ConB.pep:*

6: /cgn2_6/ptodata/1/iaa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	93	86.1	20	3	US-08-467-023-44		Sequence 44, Appli
2	74	68.5	15	4	US-09-142-524D-52		Sequence 52, Appli
3	68	63.0	15	4	US-09-142-524D-51		Sequence 51, Appli
4	52	48.1	15	4	US-09-142-524D-53		Sequence 53, Appli
5	52	48.1	20	3	US-08-467-023-45		Sequence 45, Appli
6	45	41.7	15	4	US-09-142-524D-50		Sequence 50, Appli
7	44	40.7	20	3	US-08-467-023-43		Sequence 43, Appli
8	39	36.1	20	3	US-09-053-73A-24		Sequence 24, Appli
9	35	32.4	18	2	US-08-747-915-4		Sequence 4, Appli
10	35	32.4	18	3	US-08-142-590B-4		Sequence 4, Appli
11	35	32.4	18	3	US-08-142-590B-24		Sequence 24, Appli
12	35	32.4	18	4	US-09-285-783-4		Sequence 4, Appli
13	32	32.4	20	3	US-08-142-590B-23		Sequence 23, Appli
14	33	30.6	10	1	US-08-166-19A-26		Sequence 26, Appli
15	33	30.6	10	2	US-08-436-772-26		Sequence 26, Appli
16	33	30.6	10	2	US-08-436-888B-26		Sequence 26, Appli
17	32	29.6	15	4	US-09-287-171-16		Sequence 116, Appli
18	32	29.6	17	1	US-08-323-442A-18		Sequence 18, Appli
19	32	29.6	17	1	US-08-515-902A-18		Sequence 18, Appli
20	32	29.6	17	1	PCT-US95-12840-018		Sequence 18, Appli
21	30	27.8	10	2	US-08-747-915-8		Sequence 8, Appli
22	30	27.8	10	4	US-08-285-783-8		Sequence 8, Appli
23	30	27.8	10	4	US-08-981-490B-5		Sequence 5, Appli
24	30	27.8	11	1	US-07-826-922A-6		Sequence 6, Appli
25	30	27.8	11	2	US-08-747-915-3		Sequence 2, Appli
26	30	27.8	11	3	US-09-81-816-2		Sequence 3, Appli
27	30	27.8	11	4	US-09-285-783-3		Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-08-467-023-44
; Sequence 44, Application US/08467023
; Patent No. 6090386

GENERAL INFORMATION:

APPLICANT: Griffeth, Irwin J. ;
APPLICANT: Pollock, Joanne ;
APPLICANT: Bond, Julian F. ;
APPLICANT: Garman, Richard D. ;
APPLICANT: Kuo, Mei-Chang ;
APPLICANT: Yeung, Siu-mei H. ;
APPLICANT: Brauer, Andrew ;
APPLICANT: Exley, Mark A. ;
APPLICANT: Powers, Steven P. ;
TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154

COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 44:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: Peptide
FRAGMENT TYPE: internal

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 37
 US-09-142-524D-51

Query Match 86.1%; Score 93; DB 3; Length 20;
 Best Local Similarity 94.7%; Pred. No. 2.9e-08;
 Matches 18; Conservative 0; Mismatches 1; Indels 0;
 Gaps 0; Gaps 0;

Qy 2 STGVTISNNHFFNHHKVML 20
 Db 2 STGVTISNNLFFNHHKVML 20

RESULT 2
 US-09-142-524D-52
 ; Sequence 52, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 52
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 38
 US-09-142-524D-52

Query Match 68.5%; Score 74; DB 4; Length 15;
 Best Local Similarity 93.3%; Pred. No. 2.1e-05;
 Matches 14; Conservative 0; Mismatches 1; Indels 0;
 Gaps 0; Gaps 0;

Qy 6 TISNNHFFNHHKVML 20
 Db 1 TISNNLFFNHHKVML 15

RESULT 3
 US-09-142-524D-51
 ; Sequence 51, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 51
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 37
 US-09-142-524D-53
 ; Sequence 53, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 53
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 39
 US-09-142-524D-53

Query Match 48.1%; Score 52; DB 4; Length 15;
 Best Local Similarity 100.0%; Pred. No. 0.062;
 Matches 9; Conservative 0; Mismatches 0; Indels 0;
 Gaps 0; Gaps 0;

Qy 12 FFNNHHKVML 20
 Db 2 FFNNLHHKVML 10

RESULT 4
 US-09-142-524D-53
 ; Sequence 53, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 53
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 39
 US-09-142-524D-53

Query Match 48.1%; Score 52; DB 4; Length 15;
 Best Local Similarity 100.0%; Pred. No. 0.062;
 Matches 9; Conservative 0; Mismatches 0; Indels 0;
 Gaps 0; Gaps 0;

Qy 12 FFNNHHKVML 20
 Db 2 FFNNLHHKVML 10

RESULT 5
 US-09-142-524D-51
 ; Sequence 51, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffeth, Irwin J.;
 ; APPLICANT: Pollock, Joanne;
 ; APPLICANT: Bond, Julian F.;
 ; APPLICANT: Garman, Richard D.;
 ; APPLICANT: Kuo, Mei-Chang;
 ; APPLICANT: Yeung, Siu-mei H.;
 ; APPLICANT: Brauer, Andrew;
 ; APPLICANT: Baxley, Mark A.;
 ; APPLICANT: Powers, Steven P.
 ; TITLE OF INVENTION: Allergenic Proteins And Peptides From
 ; Japanese Cedar Pollen
 ; NUMBER OF SEQUENCES: 261
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Immologic Pharmaceutical Corporation, Inc.
 ; STREET: 610 Lincoln St
 ; CITY: Waltham
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02154

COMPUTER READABLE FORM:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-45

SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-45

Query Match Score 52; DB 3; Length 20;
 Best Local Similarity 100.0%; Pred. No. 0.085; Indels 0; Gaps 0;
 Matches 9; Conservative 0; Mismatches 0;

Qy 12 FENHKWML 20
 Db 2 FENHKWML 10

RESULT 6
 US-09-142-524D-50
 Sequence 50 Application US/09142524D
 GENERAL INFORMATION:
 Patent No. 6719976
 APPLICANT: Some Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103
 CURRENT APPLICATION NUMBER: US/09/142,524D
 CURRENT FILING DATE: 1998-09-09
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 50
 LENGTH: 15
 TYPE: PPT
 ORGANISM: Cryptomeria japonica
 FEATURE: MISC FEATURE
 NAME/KEY: (1) - (15)
 LOCATION: OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 36
 US-09-142-524D-50

Query Match Score 45; DB 4; Length 15;
 Best Local Similarity 90.0%; Pred. No. 0.78; Indels 0; Gaps 0;
 Matches 9; Conservative 1; Mismatches 0;

Qy 1 ASTGVTISNN 10
 Db 6 SSTGVTISNN 15

RESULT 7
 US-08-467-023-43
 Sequence 43 Application US/08467023
 Patent No. 6050386
 GENERAL INFORMATION:
 APPLICANT: Griffith, Irwin J.;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Garman, Richard D.;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Young, Siu-Mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7440
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 45:
 REFERENCE DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7440
 TELEFAX: (617) 227-5941
 REGISTRATION NUMBER: 38,872
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 43:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-43

Query Match Score 44; DB 3; Length 20;
 Best Local Similarity 100.0%; Pred. No. 1.6; Mismatches 0; Indels 0; Gaps 0;
 Matches 9; Conservative 0;

Qy 2 STGVTISNN 10
 Db 12 SSTGVTISNN 20

RESULT 8
 US-09-063-733A-24
 Sequence 24 Application US/09063733A
 Patent No. 6372211
 GENERAL INFORMATION:
 APPLICANT: Isaac, Barbara G.;
 APPLICANT: Greenplate, John T.
 APPLICANT: Purcell, John P.
 APPLICANT: Romano, Charles P.
 TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR CONTROLLING
 INSECTS
 TITLE OF INVENTION:

NUMBER OF SEQUENCES: 58
 CORRESPONDENCE ADDRESS:
 STREET: PO Box 4433
 CITY: Houston
 STATE: TX
 COUNTRY: USA
 ZIP: 77210-4433
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/0633,733A
 FILING DATE: 21-APR-1998
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Patterson, Melinda L.
 REGISTRATION NUMBER: 33,062
 REFERENCE/DOCKET NUMBER: MOBT:022
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 713-787-1400
 TELEFAX: 713-787-1440
 INFORMATION FOR SEQ ID NO: 24:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: linear
 US-09-0633-733A-24

Query Match 36.1% Score 39; DB 3; Length 20;

Best Local Similarity 54.5%; Prod. No. 9.6%;
 Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 5 VTIISNNHFFNH 15
 Db 2 VVLEQNFFNH 12

RESULT 9
 US-08-747-915-4
 Patent No. 594492
 GENERAL INFORMATION:
 APPLICANT: Jones, Terence R.
 APPLICANT: Haney, David N.
 APPLICANT: Varga, Janos
 TITLE OF INVENTION: CYCLIC PEPTIDES THAT BIND TO
 NUMBER OF SEQUENCES: 9
 TITLE OF INVENTION: UROKINASE-TYPE PLASMINOGIN ACTIVATOR RECEPTOR
 STREET: 2000 PENNSYLVANIA AVENUE, NW
 CITY: WASHINGTON
 STATE: DC
 COUNTRY: USA
 ZIP: 20006-1812
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/747,915
 FILING DATE: 12-NOV-1996
 CLASIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: MURASHIGE, KATE H.
 REGISTRATION NUMBER: 29,959
 REFERENCE/DOCKET NUMBER: 32904-20001.00
 TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 887-1500
 TELEFAX: (202) 887-0763
 TELEX: 90-4030 MRNINFOWSH
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 18 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-747-915-4

Query Match 32.4%; Score 35; DB 2; Length 18;
 Best Local Similarity 46.2%; Prod. No. 36%;
 Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 4 GVTISNNHFFNH 16
 Db 1 GTCVSNKYFSNIH 13

RESULT 10
 US-08-14-590B-4
 Sequence 4, Application US/08142590B
 Patent No. 6120765
 GENERAL INFORMATION:
 APPLICANT: HIBINO, Toshihiko; TAKAHASHI, Tadahito; HORII, Izumi; and GOETINCK,
 TITLE OF INVENTION: UROKINASE PLASMINOGEN ACTIVATOR FRAGMENTS
 NUMBER OF SEQUENCES: 25
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHVE & COCKFIELD, LLP
 STREET: 28 State Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII Text
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/142,590B
 FILING DATE: 25-OCT-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/042,318
 ATTORNEY/AGENT INFORMATION:
 NAME: Myers, Paul L.
 REGISTRATION NUMBER: 35,965
 REFERENCE/DOCKET NUMBER: MGP-009CP
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 18 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-142-590B-4

Query Match 32.4%; Score 35; DB 3; Length 18;
 Best Local Similarity 46.2%; Prod. No. 36%;
 Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 4 GVTISNNHFFNH 16
 Db 3 GTCVSNKYFSNIH 15

RESULT 11
 US-08-142-590B-24

Sequence 24, Application US/08142590B

Patent No. 6120765

GENERAL INFORMATION:

APPLICANT: HIBINO, Toshihiko; TAKAHASHI, Tadahito; HORII, Izumi; and GOETINCX,

TITLE OF INVENTION: UROKINASE PLASMINOGEN ACTIVATOR FRAGMENTS

NUMBER OF SEQUENCES: 25

CORRESPONDENCE ADDRESS:

ADDRESS: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/142,590B

FILING DATE: 25-OCT-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/042,318

FILING DATE: 02-APR-1993

ATTORNEY/AGENT INFORMATION:

NAME: Myers, Paul L.

REGISTRATION NUMBER: 35,965

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-142-590B-24

REFERENCE/DOCKET NUMBER: MGP-009CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5940

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 2

Query 4 GVTISNNHFFNHH 16
 Db 4 GTCVSNKVFNSNH 16

RESULT 14
 US-08-166-195A-26
 Sequence 26, Application US/08166195A
 Patent No. 5480799

GENERAL INFORMATION:
 APPLICANT: O'Rand, Michael G.
 APPLICANT: Widgren, Esther E.
 APPLICANT: Richardson, Richard T.
 ATTORNEY/AGENT INFORMATION:
 APPLICANT: Lea, Isobel

TITLE OF INVENTION: Sperm Antigen Corresponding to a
 TITLE OF INVENTION: Sperm Zona Binding Protein Autoantigenic Epitope

NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Kenneth D. Sibley
 STREET: P.O. Box 34009
 CITY: Charlotte
 STATE: No. 5480795th Carolina
 ZIP: 28234

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/166,195A
 FILING DATE: 10 DEC 1993
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Sibley, Kenneth D.
 REGISTRATION NUMBER: 31,665
 REFERENCE/DOCKET NUMBER: 5470/73

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 919-881-3140
 TELEFAX: 919-881-3140
 INFORMATION FOR SEQ ID NO: 26:

SEQUENCE CHARACTERISTICS:
 LENGTH: 10 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide

US-08-436-772-26

Query Match 9 NNHFPNHHK 17
 Best Local Similarity 55.6%; Pred. No. 39;
 Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Db 1 NNHAFQEH 9

Search completed: January 26, 2005, 16:08:25
 Job time : 14.6 secs

RESULT 15
 US-08-436-772-26
 Sequence 26, Application US/08436772
 Patent No. 5814456

GENERAL INFORMATION:
 APPLICANT: O'Rand, Michael G.
 APPLICANT: Widgren, Esther E.
 APPLICANT: Richardson, Richard T.
 ATTORNEY/AGENT INFORMATION:
 APPLICANT: Lea, Isobel

TITLE OF INVENTION: Sperm Antigen Corresponding to a Sperm
 TITLE OF INVENTION: Zona Binding Protein Autoantigenic Epitope

NUMBER OF SEQUENCES: 60

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Kenneth D. Sibley

Result No.	Score	Query	Match	Length	DB ID	Description
1	76	66.1	15	14	US-10-354-240-53	Sequence 53, Appli
2	72	62.6	15	14	US-10-354-240-54	Sequence 54, Appli
3	52	45.2	15	14	US-10-354-240-52	Sequence 52, Appli
4	46	40.0	15	14	US-10-354-240-55	Sequence 55, Appli
5	33	28.7	18	9	US-09-864-761-34373	Sequence 34373, A
6	32	27.8	9	9	US-09-839-497A-11	Sequence 11, Appli
7	32	27.8	9	14	US-10-354-698-11	Sequence 11, Appli
8	32	27.8	12	17	US-10-775-965-75	Sequence 75, Appli
9	32	27.8	18	9	US-09-734-202-16	Sequence 36, Appli
10	32	27.8	18	13	US-10-012-0342-36	Sequence 36, Appli
11	32	27.8	20	15	US-10-420-564-6	Sequence 6, Appli
12	31	27.8	17	14	US-19-880-2466-8	Sequence 2968, Appli
13	31	27.0	17	14	US-10-293-418-2968	Sequence 2968, Appli

Db 2 FFNHHKMLLGHDD 15

RESULT 2

US-10-354-240-54

/ Sequence 54, Application US/10354240

/ Publication No. US20030185847A1

/ GENERAL INFORMATION:

/ APPLICANT: Sone, Toshio

/ APPLICANT: Kume, Akinori

/ APPLICANT: Dairiki, Kazuo

/ APPLICANT: Iwama, Akiko

/ APPLICANT: Kino, Kohsuke

/ TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

/ FILE REFERENCE: SPO-103D1

/ CURRENT APPLICATION NUMBER: US/10/354,240

/ CURRENT FILING DATE: 2003-01-29

/ PRIOR APPLICATION NUMBER: PCT/JP97/00740

/ PRIOR FILING DATE: 1997-03-10

/ PRIOR APPLICATION NUMBER: US 09/142,524

/ PRIOR FILING DATE: 1998-09-09

/ NUMBER OF SEQ ID NOS: 174

/ SOFTWARE: PatentIn version 3.1

/ SEQ ID NO: 54

/ LENGTH: 15

/ TYPE: PRT

/ ORGANISM: Cryptomeria japonica

/ FEATURE: MISC_FEATURE

/ LOCATION: (1)-(15)

/ OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 40

US-10-354-240-54

Query Match 6 HKVMLLGHSDIYSD 20

Best Local Similarity 62.6%; Score 72; DB 14; Length 15;

Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0; Gaps 0;

Db 1 HKVMLLGHSDIYSD 15

RESULT 3

US-10-354-240-52

/ Sequence 52, Application US/10354240

/ Publication No. US20030185847A1

/ GENERAL INFORMATION:

/ APPLICANT: Sone, Toshio

/ APPLICANT: Kume, Akinori

/ APPLICANT: Dairiki, Kazuo

/ APPLICANT: Iwama, Akiko

/ APPLICANT: Kino, Kohsuke

/ TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

/ FILE REFERENCE: SPO-103D1

/ CURRENT APPLICATION NUMBER: US/10/354,240

/ CURRENT FILING DATE: 2003-01-29

/ PRIOR APPLICATION NUMBER: PCT/JP97/00740

/ PRIOR FILING DATE: 1997-03-10

/ PRIOR APPLICATION NUMBER: US 09/142,524

/ PRIOR FILING DATE: 1998-09-09

/ NUMBER OF SEQ ID NOS: 174

/ SOFTWARE: PatentIn version 3.1

/ SEQ ID NO: 52

/ LENGTH: 15

/ TYPE: PRT

/ ORGANISM: Cryptomeria japonica

/ FEATURE: MISC_FEATURE

/ LOCATION: (1)-(15)

/ OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 41

US-10-354-240-55

Query Match 6 HKVMLLGHSDIYSD 20

Best Local Similarity 62.0%; Score 46; DB 14; Length 15;

Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0; Gaps 0;

Db 1 HKVMLLGHSDIYSD 15

RESULT 4

US-10-354-240-55

/ Sequence 55, Application US/10354240

/ Publication No. US20030185847A1

/ GENERAL INFORMATION:

/ APPLICANT: Sone, Toshio

/ APPLICANT: Kume, Akinori

/ APPLICANT: Dairiki, Kazuo

/ APPLICANT: Iwama, Akiko

/ APPLICANT: Kino, Kohsuke

/ TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

/ FILE REFERENCE: SPO-103D1

/ CURRENT APPLICATION NUMBER: US/10/354,240

/ CURRENT FILING DATE: 2003-01-29

/ PRIOR APPLICATION NUMBER: PCT/JP97/00740

/ PRIOR FILING DATE: 1997-03-10

/ PRIOR APPLICATION NUMBER: US 09/142,524

/ PRIOR FILING DATE: 1998-09-09

/ NUMBER OF SEQ ID NO: 174

/ SOFTWARE: PatentIn version 3.1

/ SEQ ID NO: 55

/ LENGTH: 15

/ TYPE: PRT

/ ORGANISM: Cryptomeria japonica

/ FEATURE: MISC_FEATURE

/ LOCATION: (1)-(15)

/ OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 41

US-10-354-240-55

Query Match 11 LGHSPIYSD 20

Best Local Similarity 80.0%; Score 46; DB 14; Length 15;

Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0; Gaps 0;

Db 1 LGHSPIYSD 10

RESULT 5

US-09-864-761-34373

/ Sequence 34373, Application US/09864761

/ Patent No. US20030048763A1

/ GENERAL INFORMATION:

/ APPLICANT: Rant, Sharron G.

/ APPLICANT: Rant, David R.

/ APPLICANT: Hanzel, David K.

/ APPLICANT: Chen, Wenshang

/ TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

/ FILE REFERENCE: Aeonimica-X-1

/ CURRENT APPLICATION NUMBER: US/09/864,761

/ CURRENT FILING DATE: 2003-05-23

/ PRIOR APPLICATION NUMBER: US 60/180,312

/ PRIOR FILING DATE: 2000-02-04

/ PRIOR APPLICATION NUMBER: US 60/207,456

/ PRIOR FILING DATE: 2000-05-26

/ PRIOR APPLICATION NUMBER: US 09/632,366

/ PRIOR FILING DATE: 2000-08-03

/ PRIOR APPLICATION NUMBER: GB 24263.6

/ PRIOR FILING DATE: 2000-10-04

/ PRIOR APPLICATION NUMBER: US 60/236,359

/ PRIOR FILING DATE: 2000-09-27

/ PRIOR APPLICATION NUMBER: PCT/US01/00666

/ PRIOR FILING DATE: 2001-01-30

Query Match 45.2%; Score 52; DB 14; Length 15;

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; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annamax Sequence Listing Engine vers. 1.1
; SEQ ID NO: 34373
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: MAP TO AC007914.1, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN BT47A1, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.85
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.4
; US-09-864-761-34373
; LENGTH: 18
; Score: 28.7%
; Best Local Similarity: 33.3%
; Matches: 4; Conservative: 4; Mismatches: 4; Indels: 0; Gaps: 0;

Qy 1 HFFNHHHKVMLLG 12
Db 7 HHHHHHAYTIG 18
RESULT 6
; US-09-839-497A-11
; Sequence 11, Application US/09839497A
; Patent No. US2002010737A1
; GENERAL INFORMATION:
; APPLICANT: Pallas, David C.
; APPLICANT: Du, Xianxing
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methylesterase, Methods
; FILE REFERENCE: Docket No. US2002010737A1 105-57A
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/082,202
; PRIOR FILING DATE: 1998-04-17
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; LENGTH: 9
; Score: 27.8%
; Best Local Similarity: 51.4%
; Matches: 2; Conservative: 2; Mismatches: 0; Indels: 0; Gaps: 0;

Qy 8 VMLIGHGS 14
Db 1 IMLIGHGS 7
RESULT 7
; US-10-354-698-11
; Sequence 11, Application US/10354698
; Publication No. US20030186416A1
; GENERAL INFORMATION:
; APPLICANT: Pallas, David C.
; APPLICANT: Du, Xianxing
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methylesterase, Methods
; FILE REFERENCE: Docket No. US20030186416A1 105-97B
; CURRENT APPLICATION NUMBER: US/10/354,698
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: 60/082,202
; PRIOR FILING DATE: 1998-04-17
; PRIOR APPLICATION NUMBER: 09/293,322
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: US/09/839,497
; PRIOR FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 11
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-354-698-11
; LENGTH: 9
; Score: 27.8%
; Best Local Similarity: 51.4%
; Matches: 2; Conservative: 2; Mismatches: 0; Indels: 0; Gaps: 0;

Qy 8 VMLIGHGS 14
Db 1 IMLIGHGS 7
RESULT 8
; US-10-775-965-75
; Sequence 75, Application US/10775965
; Publication No. US20040209808A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; APPLICANT: Kornacker, Michael
; TITLE OF INVENTION: MODULATORS OF HUMAN G-PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: D0286 NP
; CURRENT APPLICATION NUMBER: US/10/775,965
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: U.S. 60/446,655
; PRIOR FILING DATE: 2003-02-11
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 75
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE: Peptide
; OTHER INFORMATION: Peptide
; US-10-775-965-75
; LENGTH: 12
; Score: 27.8%
; Best Local Similarity: 50.0%
; Pred. No. 4.5e+02;
; SEQ ID NO: 11
; LENGTH: 9
; Score: 27.8%
; Best Local Similarity: 50.0%
; Pred. No. 4.5e+02;
; LENGTH: 12

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OM protein - protein search, using sw mode

Run on: January 26, 2005, 15:54:02 ; Search time 14.6 Seconds
 (without alignments)
 90.847 Million cell updates/sec

Title: US-09-202-464-22
 Perfect score: 115
 Sequence: 1 HFFNHHKVKMLGHSDIYSDD 20

Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0
 Maximum DB seq length: 20

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing First 45 summaries

Database : Issued Patents AA:*

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5: /cgn2_6/ptodata/1/iaa/PC105_COMB_pep:*

6: /cgn2_6/ptodata/1/iaa/backfile1_pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Match	Length	DB	ID	Description
1	98	85.2	20	3	US-09-467-023-45	Sequence 45, Appli
2	76	66.1	15	4	US-09-142-524D-53	Sequence 53, Appli
3	72	62.6	15	4	US-09-142-524D-54	Sequence 54, Appli
4	52	45.2	20	3	US-09-142-524D-52	Sequence 52, Appli
5	52	45.2	20	3	US-09-142-524D-54	Sequence 44, Appli
6	46	40.0	15	4	US-09-142-524D-55	Sequence 55, Appli
7	46	40.0	20	3	US-09-142-524D-56	Sequence 46, Appli
8	39	33.9	19	4	US-09-142-211-4	Sequence 4, Appli
9	32	27.8	9	3	US-09-2322C-11	Sequence 11, Appli
10	32	27.8	9	4	US-09-839-497A-11	Sequence 11, Appli
11	32	27.8	15	4	US-09-142-211-10	Sequence 10, Appli
12	32	27.8	20	3	US-09-186-489-6	Sequence 6, Appli
13	32	27.8	20	4	US-10-043-665B-6	Sequence 6, Appli
14	31	27.0	20	1	US-07-678-97D-60	Sequence 60, Appli
15	31	27.0	20	2	US-08-543-020-12	Sequence 12, Appli
16	31	27.0	20	2	US-08-945-168-66	Sequence 66, Appli
17	31	27.0	20	3	US-08-542-051-21	Sequence 21, Appli
18	31	27.0	20	4	US-09-428-082B-1045	Sequence 1045, Appli
19	31	27.0	20	4	US-09-428-082B-1046	Sequence 1046, Appli
20	30.5	26.5	15	2	US-08-945-848-2	Sequence 2, Appli
21	30	26.1	10	4	US-08-983-490B-5	Sequence 5, Appli
22	30	26.1	11	4	US-08-030-175-13	Sequence 13, Appli
23	30	26.1	14	2	US-08-654-639-1	Sequence 1, Appli
24	30	26.1	14	3	US-08-944-604-1	Sequence 1, Appli
25	30	26.1	15	1	US-08-546C-19	Sequence 19, Appli
26	30	26.1	15	1	US-08-534-52A-19	Sequence 19, Appli
27	30	26.1	15	3	US-08-723-416C-19	Sequence 19, Appli

ALIGNMENTS

RESULT 1
 US-09-467-023-45
 ; Sequence 45, Application US/08467023
 ; Patent No. 6090386

GENERAL INFORMATION:

APPLICANT: Griffeth, Irwin J. ;
 APPLICANT: Pollock, Joanne ;
 APPLICANT: Bond, Julian F. ;
 APPLICANT: Garman, Richard D. ;
 APPLICANT: Kuo, Mei-Chang ;
 APPLICANT: Young, Siu-mei H. ;
 APPLICANT: Brauer, Andrew ;
 APPLICANT: Ekey, Mark A. ;
 APPLICANT: Powers, Steven P.

TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen

NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:

ADDRESSEES: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02154

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 45:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: Peptide
 FRAGMENT TYPE: internal

US-08-467-023-45
 Query Match 85.2%; Score 98; DB 3; Length 20;
 Best Local Similarity 89.5%; Pred. No. 2.5e-08;
 Matches 17; Conservative 0; Mismatches 2; Indels 0;
 Gaps 0;
 Qy 2 FENHHKVMLGHSDIYSDD 20
 Db 2 FENHHKVMLGHSDIYSDD 20

RESULT 2
 US-09-142-524D-53
 / Sequence 53, Application US/09142524D
 / Patent No. 6719976
 / GENERAL INFORMATION:
 / APPLICANT: Sone, Toshio
 / APPLICANT: Kume, Akinori
 / APPLICANT: Dairiki, Kazuo
 / APPLICANT: Iwama, Akiko
 / APPLICANT: Kino, Kohsuke
 / TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 / FILE REFERENCE: SPO-103
 / CURRENT APPLICATION NUMBER: US/09/142,524D
 / CURRENT FILING DATE: 1998-09-09
 / PRIOR APPLICATION NUMBER: PCT/JP97/00740
 / PRIOR FILING DATE: 1997-03-10
 / NUMBER OF SEQ ID NOS: 174
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO: 53
 / LENGTH: 15
 / TYPE: PRT
 / ORGANISM: Cryptomeria japonica
 / FEATURE: MISC FEATURE
 / NAME/KEY: MISC FEATURE
 / LOCATION: (1)-(15)
 / OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 39
 US-09-142-524D-53

Query Match 66.1%; Score 76; DB 4; Length 15;
 Best Local Similarity 92.9%; Pred. No. 3.7e-05;
 Matches 13; Conservative 0; Mismatches 1; Indels 0;
 Gaps 0;
 Qy 2 FENHHKVMLGHSD 15
 Db 2 FENHHKVMLGHSD 15

RESULT 3
 US-09-142-524D-54
 / Sequence 54, Application US/09142524D
 / Patent No. 6719976
 / GENERAL INFORMATION:
 / APPLICANT: Sone, Toshio
 / APPLICANT: Kume, Akinori
 / APPLICANT: Dairiki, Kazuo
 / APPLICANT: Iwama, Akiko
 / APPLICANT: Kino, Kohsuke
 / TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 / FILE REFERENCE: SPO-103
 / CURRENT APPLICATION NUMBER: US/09/142,524D
 / CURRENT FILING DATE: 1998-09-09
 / PRIOR APPLICATION NUMBER: PCT/JP97/00740
 / PRIOR FILING DATE: 1997-03-10
 / NUMBER OF SEQ ID NOS: 174
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO: 54
 / LENGTH: 15
 / TYPE: PRT
 / ORGANISM: Cryptomeria japonica
 / FEATURE: MISC FEATURE
 / NAME/KEY: MISC FEATURE
 / LOCATION: (1)-(15)

RESULT 4
 US-09-142-524D-52
 / Sequence 52, Application US/09142524D
 / Patent No. 6719976
 / GENERAL INFORMATION:
 / APPLICANT: Sone, Toshio
 / APPLICANT: Kume, Akinori
 / APPLICANT: Dairiki, Kazuo
 / APPLICANT: Iwama, Akiko
 / APPLICANT: Kino, Kohsuke
 / TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 / FILE REFERENCE: SPO-103
 / CURRENT APPLICATION NUMBER: US/09/142,524D
 / CURRENT FILING DATE: 1998-09-09
 / PRIOR APPLICATION NUMBER: PCT/JP97/00740
 / PRIOR FILING DATE: 1997-03-10
 / NUMBER OF SEQ ID NOS: 174
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO: 52
 / LENGTH: 15
 / TYPE: PRT
 / ORGANISM: Cryptomeria japonica
 / FEATURE:
 / NAME/KEY: MISC FEATURE
 / LOCATION: (1)-(15)
 / OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 38
 US-09-142-524D-52

Query Match 62.6%; Score 72; DB 4; Length 15;
 Best Local Similarity 86.7%; Pred. No. 0.00015;
 Matches 13; Conservative 0; Mismatches 2; Indels 0;
 Gaps 0;
 Qy 6 HKVNLGHSDIYSDD 20
 Db 1 HKVNLGHSDIYSDD 15

RESULT 5
 US-08-467-023-44
 / Sequence 44, Application US/08467023
 / Patent No. 6090386
 / GENERAL INFORMATION:
 / APPLICANT: Griffeth, Irwin J.;
 / APPLICANT: Pollock, Joanne;
 / APPLICANT: Bond, Julian F.;
 / APPLICANT: Garman, Richard D.;
 / APPLICANT: Kao, Mei-Chang;
 / APPLICANT: Yeung, Siu-wei H.;
 / APPLICANT: Brauer, Andrew;
 / APPLICANT: Eikley, Mark A.;
 / APPLICANT: Powers, Steven P.;
 / TITLE OF INVENTION: Allergenic Proteins And Peptides From
 / TITLE OF INVENTION: Japanese Cedar Pollen
 / NUMBER OF SEQUENCES: 261
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEES: Immunologic Pharmaceutical Corporation, Inc.
 / STREET: 610 Lincoln St
 / CITY: Waltham
 / STATE: MA
 / COUNTRY: USA
 / ZIP: 02154

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 40
 US-09-142-524D-54

Query Match 85.2%; Score 98; DB 3; Length 20;
 Best Local Similarity 89.5%; Pred. No. 2.5e-08;
 Matches 17; Conservative 0; Mismatches 2; Indels 0;
 Gaps 0;
 Qy 2 FENHHKVMLGHSDIYSDD 20
 Db 2 FENHHKVMLGHSDIYSDD 15

RESULT 4
 US-09-142-524D-52
 / Sequence 52, Application US/09142524D
 / Patent No. 6719976
 / GENERAL INFORMATION:
 / APPLICANT: Sone, Toshio
 / APPLICANT: Kume, Akinori
 / APPLICANT: Dairiki, Kazuo
 / APPLICANT: Iwama, Akiko
 / APPLICANT: Kino, Kohsuke
 / TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 / FILE REFERENCE: SPO-103
 / CURRENT APPLICATION NUMBER: US/09/142,524D
 / CURRENT FILING DATE: 1998-09-09
 / PRIOR APPLICATION NUMBER: PCT/JP97/00740
 / PRIOR FILING DATE: 1997-03-10
 / NUMBER OF SEQ ID NOS: 174
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO: 52
 / LENGTH: 15
 / TYPE: PRT
 / ORGANISM: Cryptomeria japonica
 / FEATURE:
 / NAME/KEY: MISC FEATURE
 / LOCATION: (1)-(15)
 / OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 38
 US-09-142-524D-52

Query Match 62.6%; Score 72; DB 4; Length 15;
 Best Local Similarity 86.7%; Pred. No. 0.00015;
 Matches 13; Conservative 0; Mismatches 2; Indels 0;
 Gaps 0;
 Qy 6 HKVNLGHSDIYSDD 20
 Db 1 HKVNLGHSDIYSDD 15

RESULT 5
 US-08-467-023-44
 / Sequence 44, Application US/08467023
 / Patent No. 6090386
 / GENERAL INFORMATION:
 / APPLICANT: Griffeth, Irwin J.;
 / APPLICANT: Pollock, Joanne;
 / APPLICANT: Bond, Julian F.;
 / APPLICANT: Garman, Richard D.;
 / APPLICANT: Kao, Mei-Chang;
 / APPLICANT: Yeung, Siu-wei H.;
 / APPLICANT: Brauer, Andrew;
 / APPLICANT: Eikley, Mark A.;
 / APPLICANT: Powers, Steven P.;
 / TITLE OF INVENTION: Allergenic Proteins And Peptides From
 / TITLE OF INVENTION: Japanese Cedar Pollen
 / NUMBER OF SEQUENCES: 261
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEES: Immunologic Pharmaceutical Corporation, Inc.
 / STREET: 610 Lincoln St
 / CITY: Waltham
 / STATE: MA
 / COUNTRY: USA
 / ZIP: 02154

COMPUTER READABLE FORM:
 COMPUTER: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USM2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 44:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-44

Query Match Score 52; DB 3; Length 20;
 Best Local Similarity 100.0%; Pred. No. 0.2;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FFnHHKwML 10
 Db 1.2 FFnHHKwML 20

RESULT 6
 US-09-142-524D-55
 Patent No 6719976
 GENERAL INFORMATION
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103
 CURRENT APPLICATION NUMBER: US/09/142,524D
 CURRENT FILING DATE: 1998-09-09
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 NUMBER OF SEQ ID NOS: 174
 SEQ ID NO 55
 LENGTH: 15
 TYPE: PPT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: (1)-(15)
 LOCATION: (1)-(15)
 OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 41

US-09-142-524D-55

Query Match Score 46; DB 4; Length 15;
 Best Local Similarity 80.0%; Pred. No. 1.1;
 Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 LGHSIDYSD 20
 Db 1 LGHDDAYSD 10

RESULT 6
 US-09-121-211-4
 Sequence 4, Application US/09121211
 Patent No. 6750052
 GENERAL INFORMATION:
 APPLICANT: Shinohara, Toshimichi
 APPLICANT: Shinohara, Dhirendra P.
 APPLICANT: Chylack, Leo T.
 TITLE OF INVENTION: Lens Epithelial Cell Derived Growth Factor
 FILE REFERENCE: B0801/7116


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Query Match 27.8%; Score 32; DB 3; Length 20;
Best Local Similarity 40.0%; Fred. No. 1.9e+02;
Matches 8; Conservative 1; Mismatches 9; Indels 2; Gaps 1;
Qy 1 HFFNHHKVMLGHSDIYSDD 20
Db 2 HHHHHHHHSSGHID-DDD 19

RESULT 13
; Sequence 6, Application US/10043665B
; Patent No. 6582948
; GENERAL INFORMATION:
; APPLICANT: Bolen, Paul L.
; APPLICANT: Cihak, Paul L.
; APPLICANT: Sharpf Jr., Lewis G.
; TITLE OF INVENTION: Recombinant Kid Pregastric Esterase and Methods for Its
; TITLE OF INVENTION: Production and Use
; FILE REFERENCE: IFF-0009
; CURRENT APPLICATION NUMBER: US/110/043, 665B
; CURRENT ILLING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: US 09/186, 489
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: A modified
; OTHER INFORMATION: polyHis-enterokinase polypeptide sequence
; US-10-043-665B-6

Query Match 27.8%; Score 32; DB 4; Length 20;
Best Local Similarity 40.0%; Fred. No. 1.9e+02;
Matches 8; Conservative 1; Mismatches 9; Indels 2; Gaps 1;
Qy 1 HFFNHHKVMLGHSDIYSDD 20
Db 2 HHHHHHHHSSGHID-DDD 19

RESULT 14
; Sequence 60, Application US/07678974D
; Patent No. 5629146
; GENERAL INFORMATION:
; APPLICANT: DILLNER, JOAKIM
; APPLICANT: DILLNER, JENA
; TITLE OF INVENTION: METHOD FOR DETECTION OF HUMAN PAPILLOMAVIRUS
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 67
; CORRESPONDENCE ADDRESS:
; ADDRESS: BERMAN & AISENBERG
; STREET: 1730 RHODE ISLAND AVENUE, N.W.,
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20036-3186
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07678974D
; FILING DATE: 25-JUN-1991
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: AISENBERG, Irwin M.
; REGISTRATION NUMBER: 19, 007
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-543-020-12

Query Match 27.0%; Score 31; DB 2; Length 20;
Best Local Similarity 33.3%; Fred. No. 2.7e+02;
Matches 4; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
Qy 1 HFFNMHKVMLGHSDIYSDD 20
Db 2 HHHHHHHHSSGHID-DDD 19

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Search completed: January 26, 2005, 16:08:26
Job time : 15.6 secs

GenCore version 5.1.6
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OM: protein - protein search, using sw mode1

Run on: January 26, 2005, 16:03:29 ; Search time 55.4 Seconds

(without alignments)
130.429 Million cell updates/sec

Title: US-09-202-464-23
Perfect score: 103

Sequence: 1 LGHSIDIVSDDKSMKVTYAFN 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters:

296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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4: /cgn2_6/prodata/1/pubpaas/US06_PUBCOMB.pep:*

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13: /cgn2_6/prodata/1/pubpaas/US10A_PUBCOMB.pep:*

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20: /cgn2_6/ptodata/1/pubpaas/US60_PUBCOMB.pep:*

Pre. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	71	68.9	15	US-10-354-240-56
2	69	67.0	15	US-10-354-240-55
3	48	46.6	15	US-10-354-240-9
4	48	46.6	15	US-10-354-240-57
5	48	46.6	15	US-10-354-240-58
6	46	44.7	15	US-10-354-240-54
7	32	31.6	20	US-09-853-079-218
8	32	31.6	20	US-10-294-443-218
9	32	31.1	18	US-10-184-813-172
10	32	31.1	20	US-10-212-679-399
11	32	31.1	20	US-10-212-679-400
12	32	31.1	20	US-10-179-137B-99
13	32	31.1	20	US-10-079-137B-400

RESULT 1
US-10-354-240-56
Sequence 56, Application US10334240
; Publication No. US2003185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akiori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kouna
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
; PRIORITY FILING DATE: 1997-03-10
; PRIORITY APPLICATION NUMBER: US 09/142,524
; PRIORITY FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentix version 3.1
SEQ ID NO 56
LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 42
US-10-354-240-56
Query Match 68.9% ; Score 71 ; DB 14 ; Length 15 ;
Best Local Similarity 100.0% ; Pred. No. 0.00012 ;
Matches 14 ; Conservative 0 ; Mismatches 0 ; Indels 0 ; Gaps 0 ;
Qy 7 YSDDKSMKVTVAFN 20

Db 2 YSDDKSMKVTVAFN 15

RESULT 2

US-10-354-240-55
 ; Sequence 55, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 55
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 41
 US-10-354-240-55

Query Match 67.0%; Score 69; DB 14; Length 15;
 Best Local Similarity 86.7%; Pred. No. 0.00025;
 Matches 13; Conservative 0; Mismatches 2; Indels 0;
 Gaps 0; Gaps 0;

Qy 1 LGHSDIYDDKSMKV 15
 Db 1 LGHDDAYSDDKSMKV 15

RESULT 3

US-10-354-240-9
 ; Sequence 9, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 9
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Figure 7, Row a
 US-10-354-240-9

Db 1 KSMKVTVAFN 10

RESULT 4

US-10-354-240-57
 ; Sequence 57, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 57
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 43
 US-10-354-240-57

Query Match 46.6%; Score 48; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 0.64;
 Matches 10; Conservative 0; Mismatches 0; Indels 0;
 Gaps 0; Gaps 0;

Qy 11 KSMKVTVAFN 20
 Db 1 KSMKVTVAFN 10

RESULT 5

US-10-354-240-158

; Sequence 158, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 158
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Figure 7, Row a
 US-10-354-240-158

Query Match 46.6%; Score 48; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 0.64;
 Matches 10; Conservative 0; Mismatches 0; Indels 0;
 Gaps 0; Gaps 0;

Qy 11 KSMKVTVAFN 20

Query Match 46.6%; Score 48; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 0.64%;
 Matches 10; Conservative 0; Mismatches 0; Indels 0;
 Gaps 0;

Qy 11 KSMKVTVAFN 20
 ||||| ||| |
 1 KSMKVTVAFN 10

Db 1 LGHSDIYSDD 10
 ||||| ||| |
 1 LGHSDMASDINDEEFSFKI 20

RESULT 6
 US-10-354-240-54
 ; Sequence 54, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akiori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP07/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-19
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 54
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MIS_C_FEATURE
 ; LOCATION: (1)-(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 40

us-10-354-240-54

Query Match 44.7%; Score 46; DB 14; Length 15;
 Best Local Similarity 80.0%; Pred. No. 1.4%;
 Matches 8; Conservative 0; Mismatches 2; Indels 0;
 Gaps 0;

Qy 1 LGHSDIYSDD 10
 ||||| ||| |
 6 LGHSDIYSDD 15

Db 1 LGHSDIYSDD 10
 ||||| ||| |
 6 LGHSDIYSDD 15

RESULT 7
 US-09-853-079-218
 ; Sequence 218, Application US/09853079
 ; Publication No. US20030109689A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Reed, Steven G.
 ; APPLICANT: Lodes, Michael J.
 ; APPLICANT: Houghton, Raymond L.
 ; APPLICANT: Sleath, Paul R.
 ; APPLICANT: McNeill, Patricia D.
 ; APPLICANT: Homer, Mary
 ; APPLICANT: Sechrist, Heather
 ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
 ; FILE REFERENCE: 210121-426C11
 ; CURRENT APPLICATION NUMBER: US/10/294,443
 ; CURRENT FILING DATE: 2002-11-13
 ; NUMBER OF SEQ ID NOS: 243
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO: 218
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Babesia microti

us-10-294-443-218

Query Match 31.6%; Score 32.5; DB 10; Length 20;
 Best Local Similarity 40.0%; Pred. No. 3e+02;
 Matches 8; Conservative 3; Mismatches 4; Indels 5;
 Gaps 1;

Qy 1 LGH----SDIYSDDKSMKV 15
 ||||| :| :| :|
 Db 1 LGHSDMASDINDEEFSFKI 20

RESULT 8
 US-10-294-443-218
 ; Sequence 218, Application US/10294443
 ; Publication No. US20040023065A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Reed, Steven G.
 ; APPLICANT: Lodes, Michael J.
 ; APPLICANT: Houghton, Raymond L.
 ; APPLICANT: Sleath, Paul R.
 ; APPLICANT: McNeill, Patricia D.
 ; APPLICANT: Homer, Mary J.
 ; APPLICANT: Sechrist, Heather
 ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
 ; FILE REFERENCE: 210121-426C12
 ; CURRENT APPLICATION NUMBER: US/10/294,443
 ; CURRENT FILING DATE: 2002-11-13
 ; NUMBER OF SEQ ID NOS: 243
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO: 218
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Babesia microti

us-10-294-443-218

Query Match 31.6%; Score 32.5; DB 15; Length 20;
 Best Local Similarity 40.0%; Pred. No. 3e+02;
 Matches 8; Conservative 3; Mismatches 4; Indels 5;
 Gaps 1;

Qy 1 LGH----SDIYSDDKSMKV 15
 ||||| :| :| :|
 Db 1 LGHSDMASDINDEEFSFKI 20

RESULT 9
 US-10-084-813-172
 ; Sequence 172, Application US/10084813
 ; Publication No. US200300688615A1
 ; GENERAL INFORMATION:
 ; APPLICANT: SAXINGER, CARL
 ; TITLE OF INVENTION: POLYPEPTIDES THAT BIND HIV GP120 AND RELATED NUCLEIC
 ; ACIDS, ANTIBODIES, COMPOSITIONS, AND METHODS OF USE
 ; FILE REFERENCE: 215875
 ; CURRENT APPLICATION NUMBER: US/10/084,813
 ; CURRENT FILING DATE: 2002-02-27
 ; PRIOR APPLICATION NUMBER: PCT/US00/23505
 ; PRIOR FILING DATE: 2000-08-25
 ; PRIOR APPLICATION NUMBER: US 60/151,270
 ; PRIOR FILING DATE: 1999-08-27
 ; NUMBER OF SEQ ID NOS: 1242
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 172
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 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: binding peptide

us-10-084-813-172

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Qy 1 LGHSDIYSDDKSMKV 17
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 ; ORGANISM: Babesia microti
 us-09-853-079-218

Db | | | | | | | |
 2 LSHSKGHQQKRAKTTV 18

RESULT 10
 US-10-212-679-400
 ; Sequence 399, Application US/10212679
 ; Publication No. US20030125536A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Fanger, Gary
 ; APPLICANT: Hirst, Shannon Kathleen
 ; APPLICANT: Dillon, Davin
 ; APPLICANT: Foy, Teresa
 ; APPLICANT: Houghton, Ray
 ; APPLICANT: Persing, David
 ; APPLICANT: Kalos, Michael
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
 ; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
 ; FILE REFERENCE: 210121.419C14
 ; CURRENT APPLICATION NUMBER: US/10/212,679
 ; CURRENT FILING DATE: 2002-08-02
 ; NUMBER OF SEQ ID NOS: 428
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 399
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-212-679-399

Query Match 31.1%; Score 32; DB 14; Length 20;
 Best Local Similarity 54.5%; Pred. No. 3.6e+02;
 Matches 6; Conservative 2; Mismatches 3; Indels 0;
 Gaps 0;

Qy 3 HSDIYSDDKSM 13
 Db 8 HYAIYNEDKLM 18

RESULT 11
 US-10-212-679-400
 ; Sequence 400, Application US/10212679
 ; Publication No. US20030125536A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Fanger, Gary
 ; APPLICANT: Hirst, Shannon Kathleen
 ; APPLICANT: Dillon, Davin
 ; APPLICANT: Foy, Teresa
 ; APPLICANT: Houghton, Ray
 ; APPLICANT: Persing, David
 ; APPLICANT: Kalos, Michael
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
 ; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
 ; FILE REFERENCE: 210121.419C14
 ; CURRENT APPLICATION NUMBER: US/10/212,679
 ; CURRENT FILING DATE: 2002-08-02
 ; NUMBER OF SEQ ID NOS: 428
 ; SEQ ID NO: 400
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-212-679-400

Query Match 31.1%; Score 32; DB 14; Length 20;
 Best Local Similarity 54.5%; Pred. No. 3.6e+02;
 Matches 6; Conservative 2; Mismatches 3; Indels 0;
 Gaps 0;

Qy 3 HSDIYSDDKSM 13
 Db 3 HYAIYNEDKLM 13

RESULT 12
 US-10-079-137B-399
 ; Sequence 399, Application US/10079137B
 ; Publication No. US2004007306A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Prudakis, Tony N.
 ; APPLICANT: Reed, Steven G.
 ; APPLICANT: Smith, John M.
 ; APPLICANT: Misher, Lynda E.
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Wang, Ajun
 ; APPLICANT: Skeiky, Yasir A. W.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Li, Samuel X.
 ; APPLICANT: Deng, Ta
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
 ; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
 ; FILE REFERENCE: 210121.419C13
 ; CURRENT APPLICATION NUMBER: US/10/079,137B
 ; CURRENT FILING DATE: 2002-02-20
 ; NUMBER OF SEQ ID NOS: 428
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 399
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-079-137B-399

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 Gaps 0;

Qy 3 HSDIYSDDKSM 13

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Db      ||:|| 3 HYAIYNEDKLM 13
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RESULT 14
US-10-033-741-38
; Sequence 38, Application US/10033741
; Publication No. US20030304960A1
; GENERAL INFORMATION;
; APPLICANT: Herman, et al.
; TITLE OF INVENTION: Proteins, Genes and Their Use For Diagnosis and Treatment of Vaso
; FILE REFERENCE: 9195-079
; CURRENT APPLICATION NUMBER: US/10/033,741
; CURRENT FILING DATE: 2001-12-27
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 38
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-033-741-38
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Db      1 LGNINTYADDLQNK 14
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; Publication No. US20030309219TA1
; GENERAL INFORMATION;
; APPLICANT: Herman, et al.
; TITLE OF INVENTION: Proteins, Genes and Their Use For Diagnosis and Treatment of Card
; FILE REFERENCE: 9195-081
; CURRENT APPLICATION NUMBER: US/10/033,662
; CURRENT FILING DATE: 2001-12-27
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 39
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-033-662-39
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Query Match      29.1%;  Score 30;  DB 14;  Length 14;
Best Local Similarity 42.9%;  Pred. No. 5e+02;  Indels 0;  Gaps 0;
Matches 6;  Conservative 3;  Mismatches 5;  Indels 0;  Gaps 0;

Qy      1 LGHSIDIYDDDSMK 14
Db      1 LGNINTYADDLQNK 14
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Search completed: January 26, 2005, 16:55:01
 Job time : 56.5 secs

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GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: January 26, 2005, 15:54:02 ; Search time 14.6 Seconds
(without alignments)
90.847 Million cell updates/sec

Title: US-09-202-464-23
Perfect score: 103
Sequence: 1 LGHSDIYDDKSMKVTVAFN 20

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Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0
Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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3: /cgn2_6/ptoata1/iaa/6A_COMBO.pep:*

4: /cgn2_6/ptoata1/iaa/6B_COMBO.pep:*

5: /cgn2_6/ptoata1/iaa/PC105_COMBO.pep:*

6: /cgn2_6/ptoata1/iaa/backtiles.pep:*

Pred. No. is the number of results/predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	94	91.3	20	3	US-08-467-023-46	Sequence 46, App	Sequence 46, App
2	76	73.8	20	3	US-08-467-023-234	Sequence 234, App	Sequence 234, App
3	71	68.9	15	4	US-09-142-524D-56	Sequence 56, App	Sequence 56, App
4	69	67.0	15	4	US-09-142-524D-55	Sequence 55, App	Sequence 55, App
5	60	58.3	17	3	US-08-467-023-240	Sequence 240, App	Sequence 240, App
6	60	58.3	19	3	US-08-467-023-239	Sequence 239, App	Sequence 239, App
7	56	54.4	16	3	US-08-467-023-246	Sequence 246, App	Sequence 246, App
8	56	54.4	17	3	US-08-467-023-241	Sequence 241, App	Sequence 241, App
9	56	54.4	17	3	US-08-467-023-242	Sequence 242, App	Sequence 242, App
10	56	54.4	18	3	US-08-467-023-253	Sequence 253, App	Sequence 253, App
11	56	54.4	19	3	US-08-467-023-227	Sequence 227, App	Sequence 227, App
12	52	50.5	19	3	US-08-467-023-121	Sequence 121, App	Sequence 121, App
13	52	50.5	19	3	US-08-467-023-122	Sequence 122, App	Sequence 122, App
14	52	50.5	20	3	US-08-467-023-230	Sequence 230, App	Sequence 230, App
15	50	48.5	17	3	US-08-467-023-257	Sequence 257, App	Sequence 257, App
16	49	47.6	15	3	US-08-467-023-256	Sequence 256, App	Sequence 256, App
17	48	46.6	13	3	US-08-467-023-235	Sequence 235, App	Sequence 235, App
18	48	46.6	14	3	US-08-467-023-247	Sequence 247, App	Sequence 247, App
19	48	46.6	15	3	US-08-467-023-245	Sequence 245, App	Sequence 245, App
20	48	46.6	15	3	US-08-467-023-255	Sequence 255, App	Sequence 255, App
21	48	46.6	15	4	US-09-142-524D-9	Sequence 9, App	Sequence 9, App
22	48	46.6	15	4	US-09-142-524D-57	Sequence 57, App	Sequence 57, App
23	48	46.6	15	4	US-09-142-524D-158	Sequence 158, App	Sequence 158, App
24	48	46.6	16	3	US-08-467-023-243	Sequence 243, App	Sequence 243, App
25	48	46.6	16	3	US-08-467-023-244	Sequence 244, App	Sequence 244, App
26	48	46.6	16	3	US-08-467-023-250	Sequence 250, App	Sequence 250, App

ALIGNMENTS

RESULT 1
US-08-467-023-46
; Sequence 46, Application US/08467023
; Patent No. 600386

; GENERAL INFORMATION:

; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.

; TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen

; NUMBER OF SEQUENCES: 261

; CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA

; ZIP: 02154

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; TELECOMMUNICATION INFORMATION:
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 035-6 USD2 (IMI-028CPD2)
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-46

Query Match 91.3%; Score 94; DB 3; Length 20;
Best Local Similarity 90.0%; Pred. No. 2e-09;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Db 1 LGHSDIYSDDKSMKVAFN 20
Db 1 LGHDDAYSDDKSMKVAFN 20

RESULT 2

US-08-467-023-234

Sequence 234, Application US/08467023

Patent No. 6030386

GENERAL INFORMATION:

APPLICANT: Griffeth, Irwin J. ;
APPLICANT: Pollock, Joanne ;
APPLICANT: Bond, Julian F. ;
APPLICANT: Garman, Richard D. ;
APPLICANT: Kuo, Mei-Chiang ;
APPLICANT: Young, Siu-mei H. ;
APPLICANT: Brauer, Andrew ;
APPLICANT: Exley, Mark A. ;
APPLICANT: Powers, Steven P. ;

TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESS: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REFERENCE/DOCKET NUMBER: 38-872
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 234:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: Peptide
FRAGMENT TYPE: Internal

US-08-467-023-234

Query Match 73.8%; Score 76; DB 3; Length 20;
Best Local Similarity 93.8%; Pred. No. 2.3e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Db 5 DIVDDKSMKVAFN 20
Db 2 DAYSDDKSMKVAFN 17

US-09-142-524D-56

Sequence 56, Application US/09142524D

Patent No. 6719576

GENERAL INFORMATION:

APPLICANT: Sone, Toshio ;
APPLICANT: Kume, Akinori ;
APPLICANT: Dairiki, Kazuo ;
APPLICANT: Iwama, Akiko ;
APPLICANT: Kino, Kohsuke ;
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

FILE REFERENCE: SPO-103

CURRENT APPLICATION NUMBER: US/09/142,524D

CURRENT FILING DATE: 1998-09-09

PRIOR APPLICATION NUMBER: PCT/JP97/00740

PRIOR FILING DATE: 1997-03-10

NUMBER OF SEQ ID NOS: 174

SEQ ID NO 56

SOFTWARE: PatentIn version 3.1

LENGTH: 15

TYPE: PRT

ORGANISM: Cryptomeria japonica

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (1)-(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 42

US-09-142-524D-56

Query Match 68.9%; Score 71; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 YSDDDSMKVTFAFN 20
Db 2 YSDDDSMKVTFAFN 15

RESULT 4

US-09-142-524D-55

Sequence 55, Application US/09142524D

Patent No. 6719576

GENERAL INFORMATION:

APPLICANT: Sone, Toshio ;
APPLICANT: Kume, Akinori ;
APPLICANT: Dairiki, Kazuo ;
APPLICANT: Iwama, Akiko ;
APPLICANT: Kino, Kohsuke ;
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

FILE REFERENCE: SPO-103

CURRENT APPLICATION NUMBER: US/09/142,524D

CURRENT FILING DATE: 1998-09-09

PRIOR APPLICATION NUMBER: PCT/JP97/00740

PRIOR FILING DATE: 1997-03-10

NUMBER OF SEQ ID NOS: 174

SEQ ID NO 55

SOFTWARE: PatentIn version 3.1

LENGTH: 15

TYPE: PRT

ORGANISM: Cryptomeria japonica

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (1)-(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 41

US-09-142-524D-55

Query Match 67.0%; Score 69; DB 4; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.6e-05;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 LGHSDIYSDDKSMKV 15
Db 1 LGHDDAYSDDKSMKV 15

RESULT 5
 US-08-467-023-240
 / Sequence 240, Application US/08467023
 / Patent No. 6090386
 / GENERAL INFORMATION:
 / APPLICANT: Griffeth, Irwin J.;
 / APPLICANT: Pollock, Joanne;
 / APPLICANT: Bond, Julian F.;
 / APPLICANT: Garman, Richard D;
 / APPLICANT: Kuo, Mei-Chang;
 / APPLICANT: Yeung, Siu-me H.;
 / APPLICANT: Brauer, Andrew;
 / APPLICANT: Exley, Mark A.;
 / APPLICANT: Powers, Steven P.
 / TITLE OF INVENTION: Allergenic Proteins And Peptides From
 / NUMBER OF SEQUENCES: 261
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 / STREET: 610 Lincoln St
 / CITY: Waltham
 / STATE: MA
 / ZIP: 02154
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: Patent In Release #1.0, Version #1.25
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/467,023
 / FILING DATE: June 6, 1995
 / CLASSIFICATION: 424
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: 08/350,225
 / FILING DATE: December 6, 1994
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Jane E. Remillard
 / REGISTRATION NUMBER: 38,872
 / REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (617) 227-7400
 / TELEFAX: (617) 227-5941
 / INFORMATION FOR SEQ ID NO: 239:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 19 amino acids
 / TYPE: amino acid
 / TOPOLOGY: linear
 / MOLECULE TYPE: peptide
 / FRAGMENT TYPE: internal
 / US-08-467-023-239

Query Match 58.3%; Score 60; DB 3; Length 19;
 Best Local Similarity 100.0%; Pred. No. 0.0012;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 9 DDKSMKVTVAFN 20
 Db 2 DDKSMKVTVAFN 13

RESULT 7
 US-08-467-023-246
 / Sequence 246, Application US/08467023
 / Patent No. 6090386
 / GENERAL INFORMATION:
 / APPLICANT: Griffeth, Irwin J.;
 / APPLICANT: Pollock, Joanne;
 / APPLICANT: Bond, Julian F.;
 / APPLICANT: Garman, Richard D;
 / APPLICANT: Kuo, Mei-Chang;
 / APPLICANT: Yeung, Siu-me H.;
 / APPLICANT: Brauer, Andrew;
 / APPLICANT: Exley, Mark A.;
 / APPLICANT: Powers, Steven P.
 / TITLE OF INVENTION: Allergenic Proteins And Peptides From
 / NUMBER OF SEQUENCES: 261
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 / STREET: 610 Lincoln St
 / CITY: Waltham
 / STATE: MA
 / COUNTRY: USA
 / ZIP: 02154

RESULT 6
 US-08-467-023-239
 / Sequence 239, Application US/08467023
 / Patent No. 6090386
 / GENERAL INFORMATION:
 / APPLICANT: Griffeth, Irwin J.;
 / APPLICANT: Pollock, Joanne;
 / APPLICANT: Bond, Julian F.;
 / APPLICANT: Garman, Richard D;
 / APPLICANT: Kuo, Mei-Chang;
 / APPLICANT: Yeung, Siu-me H.;
 / APPLICANT: Brauer, Andrew;

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 246:
 SEQENCE CHARACTERISTICS:
 LENGTH: 16 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: Internal
 3-08-467-023-246

Query Match	54.4%	Score 56;	DB 3;	Length
Best Local Similarity	91.7%	Pred. No. 0.0045;	Mismatches	0; Indels
Matches	11;	Conservative	1;	

/

9 DDKSMKVAFN 20
 :|||:|||:|||:
 4 EDKSMKVAFN 15

RESULT 8
 3-08-467-023-241
 Sequence No. 6090386 Application US/08467023
 Patent No. 6090386
 GENERAL INFORMATION:
 APPLICANT: Griffith, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Yeung, Siu-mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Bailey, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides
 TITLE OF INVENTION: Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immulogic Pharmaceutical Corporation, Inc
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02154
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994

```

ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 241:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-241

Query Match      54.4%;  Score 56;  DB 3;  Length 17;
Best Local Similarity 91.7%;  Pred. No. 0.0049;
Matches 11;  Conservative 1;  Mismatches 0;  Indels 0;  G

Qy      9 DDKSMKVAFN 20
          :||||| | | | |
Db      2 EDKSMKVAFN 13

RESULT 9
US-08-467-023-242
; Sequence 242, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J. ;
; APPLICANT: Pollock, Joanne ;
; APPLICANT: Bond, Julian F. ;
; APPLICANT: Garman, Richard D. ;
; APPLICANT: Kuo, Mei-Chang ;
; APPLICANT: Young, Siu-mei H. ;
; APPLICANT: Brauer, Andrew ;
; APPLICANT: Eley, Mark A. ;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ImmunoLogic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St.
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154

; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/250,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 242:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: Linear

```

MOLECULE TYPE: Peptide
FRAGMENT TYPE: Internal
US-08-467-023-242

Query Match 54.4%; Score 56; DB 3; Length 17;
Best Local Similarity 91.7%; Prod. No. 0.0049; 1; Mismatches 0; Indels 0; Gaps 0;

Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 9 DDKSMKVTVAFN 20
Db 2 EDKSMKVTVAFN 13

RESULT 10
US-08-467-023-253
Patent No. 6090386 Application US/08467023

GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D.;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-meい H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.

TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen

NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmunoLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02454

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 05.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 227:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: Peptide
FRAGMENT TYPE: internal
US-08-467-023-227

RESULT 11
US-08-467-023-227
Sequence 11, Application US/08467023

GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D.;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-meい H.;
APPLICANT: Powers, Steven P.

Query Match 54.4%; Score 56; DB 3; Length 19;
Best Local Similarity 91.7%; Prod. No. 0.0056; 1; Mismatches 0; Indels 0; Gaps 0;

Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 9 DDKSMKVTVAFN 20
Db 1 DEKSMKVTVAFN 12

RESULT 12
US-08-467-023-121
Sequence 121, Application US/08467023

GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D.;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-meい H.;
APPLICANT: Powers, Steven P.

Query Match 54.4%; Score 56; DB 3; Length 18;
Best Local Similarity 91.7%; Prod. No. 0.0052; 1; Mismatches 0; Indels 0; Gaps 0;

Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 9 DDKSMKVTVAFN 20
Db 1 DEKSMKVTVAFN 12

APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 261
 CURRENT ADDRESS:
 ADDRESSEES: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02154

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 122:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 19 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: Peptide
 FRAGMENT TYPE: Internal
 US-08-467-023-122

Query Match 50.5%; Score 52; DB 3; Length 19;
 Best Local Similarity 83.3%; Prod. No. 0.027;
 Matches 10; Conservative 1; Mismatches 1; Indels 0;
 Gaps 0;

Qy 9 DDKSMKVTAFN 20
 :|||:|||:|||:
 Db 1 DEKSMKVTAFN 12

RESULT 13
 US-08-467-023-122
 Sequence 122, Application US/08467023
 Patent No. 6090386
 GENERAL INFORMATION:
 APPLICANT: Griffeth, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Young, Siu-mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 261
 CURRENT ADDRESS:
 ADDRESSEES: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA

ZIP: 02154
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 122:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 19 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: Peptide
 FRAGMENT TYPE: Internal
 US-08-467-023-122

Query Match 50.5%; Score 52; DB 3; Length 19;
 Best Local Similarity 83.3%; Prod. No. 0.027;
 Matches 10; Conservative 1; Mismatches 1; Indels 1;
 Gaps 0;

Qy 9 DDKSMKVTAFN 20
 :|||:|||:|||:
 Db 1 DEKSMKVTAFN 12

RESULT 14
 US-08-467-023-230
 Sequence 230, Application US/08467023
 Patent No. 6090386
 GENERAL INFORMATION:
 APPLICANT: Griffeth, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Young, Siu-mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 261
 CURRENT ADDRESS:
 ADDRESSEES: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA

ZIP: 02154
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225

/ FILING DATE: December 6, 1994
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Jane E. Remillard
 / REGISTRATION NUMBER: 38,872
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (617) 227-7400
 / TELEFAX: (617) 227-5941
 / INFORMATION FOR SEQ ID NO: 230:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 20 amino acids
 / TYPE: amino acid
 / TOPOLOGY: linear
 / MOLECULE TYPE: peptide
 / FRAGMENT TYPE: internal
 / FRAGMENT NUMBER: 025.6 US028CPD2
 / US-08-467-023-230

Query Match 50.5%; Score 52; DB 3; Length 20;
 Best Local Similarity 83.3%; Pred. No. 0.028;
 Matches 10; Conservative 2; Mismatches 0; Indels 0;
 Gaps 0;
 Qy 9 DDKSMKVTVAFN 20
 : : : : : : : : : : : :
 Db 2 EERSMKVTVAFN 13

RESULT 15
 US-08-467-023-237
 / Sequence 257, Application US/08467023
 / Patent No. 6050386
 / GENERAL INFORMATION:
 / APPLICANT: Griffeth, Irwin J.;
 / APPLICANT: Pollock, Joanne;
 / APPLICANT: Bond, Julian F.;
 / APPLICANT: Garman, Richard D;
 / APPLICANT: Kuo, Mei-Chang;
 / APPLICANT: Yeung, Siu-mei H.;
 / APPLICANT: Brauer, Andrew;
 / APPLICANT: Exley, Mark A.;
 / APPLICANT: Powers, Steven P.
 / TITLE OF INVENTION: Allergenic Proteins And Peptides From
 / TITLE OF INVENTION: Japanese Cedar Pollen
 / NUMBER OF SEQUENCES: 261
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 / STREET: 610 Lincoln St
 / CITY: Waltham
 / STATE: MA
 / COUNTRY: USA
 / ZIP: 02154
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: Patent In Release #1.0, Version #1.25
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/467,023
 / FILING DATE: June 6, 1995
 / PRIORITY APPLICATION DATA:
 / CLASSIFICATION: 424
 / NAME: Jane E. Remillard
 / REGISTRATION NUMBER: 38,872
 / APPLICATION NUMBER: 08/350,225
 / FILING DATE: December 6, 1994
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Jane E. Remillard
 / REGISTRATION NUMBER: 38,872
 / APPLICATION NUMBER: 025.6 US028CPD2
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (617) 227-7400
 / TELEFAX: (617) 227-5941
 / INFORMATION FOR SEQ ID NO: 257:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 17 amino acids
 / TYPE: amino acid

/ TOPOLOGY: linear
 / MOLECULE TYPE: peptide
 / FRAGMENT TYPE: internal
 / FRAGMENT NUMBER: 025.6 US028CPD2-257
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 Best Local Similarity 83.3%; Pred. No. 0.051;
 Matches 10; Conservative 2; Mismatches 0; Indels 0;
 Gaps 0;
 Qy 9 DDKSMKVTVAFN 20
 : : : : : : : : : : : :
 Db 1 NNKSMKVTVAFN 12

Search completed: January 26, 2005, 16:08:27
 Job time : 15.6 secs

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OM protein - protein search, using SW model

Run on: January 26, 2005, 16:03:29 ; Search time 55.4 Seconds (without alignments)

130.429 Million cell updates/sec

Title: US-09-202-464-24

Perfect score: 103

Sequence: 1 KSMKVTVAFNQFGENAGORM 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing First 45 summaries

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 17: /cgn2_6/ptodata/1/pubpaai/us10_NEWPUB.pep:
 18: /cgn2_6/ptodata/1/pubpaai/us11_NEWPUB.pep:
 19: /cgn2_6/ptodata/1/pubpaai/us60_NEWPUB.pep:
 20: /cgn2_6/ptodata/1/pubpaai/us60_PUBCOMB.pep:
 RESULT 1
 US-10-354-240-9

; Sequence 9, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Atsiko
 ; APPLICANT: Kino, Konsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 9
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 US-10-354-240-9

Query Match 75.7% ; Score 78; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 1.9e-06;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KSMKVTVAFNQFGENAGORM 15
 ||||| ||||| ||||| |||||
 Db 1 KSMKVTVAFNQFGENAGORM 15

RESULT 2

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	78	75.7	15	14 US-10-354-240-9	Sequence 9, Appli
2	78	75.7	15	14 US-10-354-240-57	Sequence 57, Appli
3	78	75.7	15	14 US-10-354-240-158	Sequence 158, Appli
4	76	73.8	15	14 US-10-354-240-58	Sequence 58, Appli
5	49.5	49.5	15	14 US-10-354-240-59	Sequence 59, Appli
6	48	46.6	15	14 US-10-354-240-56	Sequence 56, Appli
7	30	29.1	9	14 US-10-079-167-73	Sequence 73, Appli
8	30	29.1	9	16 US-10-653-624-73	Sequence 73, Appli
9	30	29.1	9	16 US-10-533-439-73	Sequence 73, Appli
10	30	29.1	9	17 US-10-833-755-73	Sequence 73, Appli
11	30	29.1	9	17 US-10-833-744-73	Sequence 73, Appli
12	30	29.1	9	17 US-10-386-943-73	Sequence 73, Appli
13	29.5	28.6	20	14 US-10-282-960-74	Sequence 74, Appli

US-10-354-240-57 ; Sequence 57, Application US/10354240
; GENERAL INFORMATION: Publication No. US20030185847A1
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 57
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE: MISC_FEATURE
; NAME/KEY: OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 43
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 43
; US-10-354-240-57
; Query Match 75.7%; Score 78; DB 14; Length 15;
; Best Local Similarity 100.0%; Pred. No. 1.9e-06;
; Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; Db 1 KSMKVTVAFNQFGPN 15
; Db 1 KSMKVTVAFNQFGPN 15

RESULT 3 US-10-354-240-158 ; Sequence 158, Application US/10354240
; GENERAL INFORMATION: Publication No. US20030185847A1
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Figure 7, Row a
; US-10-354-240-158
; Query Match 75.7%; Score 78; DB 14; Length 15;
; Best Local Similarity 100.0%; Pred. No. 1.9e-06;
; Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 4 US-10-354-240-58 ; Sequence 58, Application US/10354240
; GENERAL INFORMATION: Publication No. US20030185847A1
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 58
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 44
; US-10-354-240-58
; Query Match 73.8%; Score 76; DB 14; Length 15;
; Best Local Similarity 93.3%; Pred. No. 4.2e-06;
; Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
; Qy 6 TVAFNQFGPNAGORM 20
; Db 1 TVAFNQFGPNAGORM 20

RESULT 5 US-10-354-240-59 ; Sequence 59, Application US/10354240
; GENERAL INFORMATION: Publication No. US20030185847A1
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 45
; US-10-354-240-59

Query Match 49.5%; Score 51; DB 14; Length 15;
 Best Local Similarity 90.0%; Pred. No. 0.089;
 Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 SEQ ID NO: 73

Qy 11 QFGPNAGGORM 20
 Db 1 QFSPNCGGORM 10

RESULT 6
 US-10-354-240-56
 ; Sequence 56, Application US/10354240
 ; GENERAL INFORMATION
 ; APPLICANT: Some, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIORITY APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 56
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE: MISC_FEATURE
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 42
 US-10-354-240-56

Query Match 46.6%; Score 48; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 0.29;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SEQ ID NO: 74

Qy 1 KSMKVTVAFN 10
 Db 6 KSMKVTVAFN 15

RESULT 7
 US-10-079-167-73
 ; Sequence 73, Application US/10079167
 ; GENERAL INFORMATION
 ; APPLICANT: Hill, Adrian V.S.
 ; APPLICANT: McShane, Helen
 ; APPLICANT: Gilbert, Sarah C.
 ; APPLICANT: Reece, William
 ; APPLICANT: Schneider, Joerg
 ; TITLE OF INVENTION: Vaccination Method
 ; FILE REFERENCE: 2907.1000-001
 ; CURRENT FILING DATE: 2002-02-19
 ; PRIORITY APPLICATION NUMBER: US 09/1454,204
 ; PRIOR FILING DATE: 1999-12-09
 ; PRIORITY APPLICATION NUMBER: PCT/GB98/01681
 ; PRIOR FILING DATE: 1998-06-09
 ; PRIORITY APPLICATION NUMBER: GB 97 11957 2
 ; PRIOR FILING DATE: 1997-06-09
 ; PRIORITY APPLICATION NUMBER: PCT/GB01/04116
 ; PRIOR FILING DATE: 2001-09-13
 ; PRIORITY APPLICATION NUMBER: GB 00 23203 3
 ; PRIOR FILING DATE: 2001-09-21
 ; NUMBER OF SEQ ID NOS: 99

; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 73
 ; LENGTH: 9
 ; TYPE: PRT
 ; ORGANISM: Unknown
 ; FEATURE:
 ; OTHER INFORMATION: CTL Peptide Epitope of *P. falciparum* TRAP
 ; US-10-079-167-73

Query Match 29.1%; Score 30; DB 14; Length 9;
 Best Local Similarity 62.5%; Pred. No. 1.5e+06;
 Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 5 VTVAFNQF 12
 Db 1 INVAFNRF 8

RESULT 8
 US-10-653-624-73
 ; Sequence 73, Application US/10653624
 ; Publication No. US20040131594A1
 ; GENERAL INFORMATION:
 ; APPLICANT: McMichael, Andrew
 ; APPLICANT: Hill, Adrian V.S.
 ; APPLICANT: Gilbert, Sarah C.
 ; APPLICANT: Schneider, Jorg
 ; APPLICANT: Plebanski, Magdalena
 ; APPLICANT: Hanke, Tomas
 ; APPLICANT: Smith, Geoffrey L.
 ; APPLICANT: Blanchard, Tom
 ; TITLE OF INVENTION: Methods and Reagents for Vaccination
 ; TITLE OF INVENTION: Which Generate A CD8 T Cell Immune Response
 ; FILE REFERENCE: 2907.1000-000
 ; CURRENT APPLICATION NUMBER: US/10/653,624
 ; CURRENT FILING DATE: 2003-09-02
 ; PRIORITY APPLICATION NUMBER: US/09/454,204A
 ; PRIOR FILING DATE: 1999-12-09
 ; PRIORITY APPLICATION NUMBER: PCT/GB98/01681
 ; PRIOR FILING DATE: 1998-06-09
 ; PRIORITY APPLICATION NUMBER: GB 97 11957 2
 ; NUMBER OF SEQ ID NOS: 78
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 73
 ; LENGTH: 9
 ; TYPE: PRT
 ; ORGANISM: Unknown
 ; FEATURE:
 ; OTHER INFORMATION: CTL Peptide Epitope of *P. falciparum* TRAP
 ; US-10-653-624-73

Query Match 29.1%; Score 30; DB 16; Length 9;
 Best Local Similarity 62.5%; Pred. No. 1.5e+06;
 Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 5 VTVAFNQF 12
 Db 1 INVAFNRF 8

RESULT 9
 US-10-833-439-73
 ; Sequence 73, Application US/10833439
 ; Publication No. US2004017535A1
 ; GENERAL INFORMATION:
 ; APPLICANT: McMichael, Andrew
 ; APPLICANT: Hill, Adrian V.S.
 ; APPLICANT: Gilbert, Sarah C.
 ; APPLICANT: Schneider, Jorg
 ; APPLICANT: Plebanski, Magdalena
 ; APPLICANT: Hanke, Tomas
 ; APPLICANT: Smith, Geoffrey L.

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; APPLICANT: Blanchard, Tom
; TITLE OF INVENTION: Methods and Reagents for Vaccination
; FILE REFERENCE: 2907.1000-000
; CURRENT APPLICATION NUMBER: US/10/833,439
; CURRENT FILING DATE: 2004-04-28
; PRIOR APPLICATION NUMBER: US/10/686,943
; PRIOR FILING DATE: 2003-10-16
; PRIOR APPLICATION NUMBER: US/09/454,204
; PRIOR FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: PCT/GB98/01681
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: GB 97 11957.2
; PRIOR FILING DATE: 1997-06-09
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 73
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Unknown
; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP
US-10-833-439-73

Query Match Score 30; DB 16; Length 9;
Best Local Similarity 62.5%; Pred. No. 1.5e+06;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
APPLICANT: Unknown
Qy 5 VTVAFNQF 12
Db : ||||: 1 INVAFNRF 8

RESULT 10
US-10-833-745-73
; Sequence 73, Application US/10833745
; Publication No. US20040191272A1
; GENERAL INFORMATION:
; APPLICANT: McMichael, Andrew
; APPLICANT: Hill, Adrian V.S.
; APPLICANT: Gilbert, Sarah C.
; APPLICANT: Schneider, Jorg
; APPLICANT: Plebanski, Magdalena
; APPLICANT: Hanke, Tomas
; APPLICANT: Smith, Geoffrey L.
; APPLICANT: Blanchard, Tom
; OTHER INFORMATION: Methods and Reagents for Vaccination
; TITLE OF INVENTION: Which Generate A CD8 T Cell Immune Response
; FILE REFERENCE: 2907.1000-000
; CURRENT APPLICATION NUMBER: US/10/833,745
; CURRENT FILING DATE: 2004-04-08
; PRIOR APPLICATION NUMBER: US/10/686,943
; PRIOR FILING DATE: 2003-10-16
; PRIOR APPLICATION NUMBER: US/09/454,204
; PRIOR FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: PCT/GB98/01681
; PRIOR FILING DATE: 1998-06-09
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 73
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP
US-10-833-744-73

Query Match Score 30; DB 17; Length 9;
Best Local Similarity 62.5%; Pred. No. 1.5e+06;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
APPLICANT: Unknown
Qy 5 VTVAFNQF 12
Db : ||||: 1 INVAFNRF 8

RESULT 12
US-10-686-943-73
; Sequence 73, Application US/10686943
; Publication No. US20040213799A1
; GENERAL INFORMATION:
; APPLICANT: McMichael, Andrew
; APPLICANT: Hill, Adrian V.S.
; APPLICANT: Gilbert, Sarah C.
; APPLICANT: Schneider, Jorg
; APPLICANT: Plebanski, Magdalena
; APPLICANT: Hanke, Tomas
; APPLICANT: Smith, Geoffrey L.
; APPLICANT: Blanchard, Tom
; OTHER INFORMATION: Methods and Reagents for Vaccination
; TITLE OF INVENTION: Which Generate A CD8 T Cell Immune Response
; FILE REFERENCE: 2907.1000-000
; CURRENT APPLICATION NUMBER: US/10/686,943
; CURRENT FILING DATE: 2003-10-16
; PRIOR APPLICATION NUMBER: US/09/454,204
; PRIOR FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: PCT/GB98/01681
; PRIOR FILING DATE: 1998-06-09
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 73
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Unknown
; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP
US-10-833-745-73

Query Match Score 30; DB 17; Length 9;
Best Local Similarity 62.5%; Pred. No. 1.5e+06;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
APPLICANT: Unknown

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; PRIORITY: 1997-06-09
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 73
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP
; US-10-686-943-73

Query Match 29.1%; Score 30; DB 17; Length 9;
Best Local Similarity 62.5%; Pred. No. 1.5e+06; Indels 0; Gaps 0;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 5 VTVAFNQF 12
Db 1 INVAFNRF 8

RESULT 13
US-10-282-960-74
; Sequence 74, Application US/10282960
; Publication No. US20030143228A1
; GENERAL INFORMATION
; APPLICANT: Chen, Si-Yi
; APPLICANT: Zhaoyang, You
; APPLICANT: Schroers, Roland
; TITLE OF INVENTION: Human Telomerase Reverse Transcriptase as a Class-II Restricted T
; TITLE OF INVENTION: Associated Antigen
; FILE REFERENCE: P021930S1
; CURRENT APPLICATION NUMBER: US/10/282,960
; CURRENT FILING DATE: 2002-10-29
; PRIOR APPLICATION NUMBER: US 60/345,012
; PRIOR FILING DATE: 2001-10-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; TYPE: PRT
; ORGANISM: Human
; SEQ ID NO: 74
; LENGTH: 20
; FEATURE:
; OTHER INFORMATION: Synthetic
; US-10-730-454-32

Query Match 28.2%; Score 29; DB 16; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.5e+06; Indels 0; Gaps 0;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 GPNAG 17
Db 4 GPNAG 8

Search completed: January 26, 2005, 16:55:02
Job time : 56.5 secs

RESULT 14
US-10-730-454-26
; Sequence 26, Application US/10730454
; Publication No. US2004017575A1
; GENERAL INFORMATION
; APPLICANT: Olsen, Arne
; APPLICANT: Roggen, Erwin
; APPLICANT: Ernst, Steffen
; TITLE OF INVENTION: Low Allergenic Protein Variants
; FILE REFERENCE: 5676-200-US
; CURRENT APPLICATION NUMBER: US/10/730,454
; CURRENT FILING DATE: 2003-12-08
; PRIOR APPLICATION NUMBER: US/09/417,608
; PRIOR FILING DATE: 1999-10-13
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 32
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic
; US-10-730-454-32

Query Match 28.2%; Score 29; DB 16; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.5e+06; Indels 0; Gaps 0;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 GPNAG 17
Db 4 GPNAG 8

Search completed: January 26, 2005, 16:55:02
Job time : 56.5 secs

RESULT 15
US-10-730-454-32
; Sequence 32, Application US/10730454
; Publication No. US2004017575A1
; GENERAL INFORMATION
; APPLICANT: Olsen, Arne
; APPLICANT: Roggen, Erwin
; APPLICANT: Ernst, Steffen
; TITLE OF INVENTION: Low Allergenic Protein Variants
; FILE REFERENCE: 5676-200-US
; CURRENT APPLICATION NUMBER: US/10/730,454
; CURRENT FILING DATE: 2003-12-08
; PRIOR APPLICATION NUMBER: US/09/417,608
; PRIOR FILING DATE: 1999-10-13
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 32
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic
; US-10-730-454-32

Query Match 28.2%; Score 29; DB 16; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.5e+06; Indels 0; Gaps 0;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 GPNAG 17
Db 4 GPNAG 8

Search completed: January 26, 2005, 16:55:02
Job time : 56.5 secs

RESULT 16
US-10-730-454-26
; Sequence 26, Application US/10730454
; Publication No. US2004017575A1
; GENERAL INFORMATION
; APPLICANT: Olsen, Arne
; APPLICANT: Roggen, Erwin
; APPLICANT: Ernst, Steffen
; TITLE OF INVENTION: Low Allergenic Protein Variants
; FILE REFERENCE: 5676-200-US
; CURRENT APPLICATION NUMBER: US/10/730,454
; CURRENT FILING DATE: 2003-12-08
; PRIOR APPLICATION NUMBER: US/09/417,608
; PRIOR FILING DATE: 1999-10-13
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 26
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:

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OM protein - protein search, using sw model

Run on: January 26, 2005, 15:54:02 ; Search time 14.6 Seconds (without alignments)

90.847 Million cell updates/sec

Title: US-09-202-464-24

Perfect score: 103

Sequence: 1 KSMKVTVAFNQFGNAGQRM 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0% Maximum Match 100%

Listing First 45 summaries

Database : Issued_Patents_AA:*

1: /cgn2_6/ptodata/1/iaa/5A_COMB_pep:*

2: /cgn2_6/ptodata/1/iaa/5B_COMB_pep:*

3: /cgn2_6/ptodata/1/iaa/6A_COMB_pep:*

4: /cgn2_6/ptodata/1/iaa/6B_COMB_pep:*

5: /cgn2_6/ptodata/1/iaa/PC10S_ConB_pep:*

6: /cgn2_6/ptodata/1/iaa/backFiles1_pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	99	96.1	20	3	US-08-467-023-47	Sequence 47, Appli	
2	78	75.7	15	4	US-09-142-524D-9	Sequence 9, Appli	
3	78	75.7	15	4	US-09-142-524D-57	Sequence 57, Appli	
4	78	75.7	15	4	US-09-142-524D-158	Sequence 158, Appli	
5	78	75.7	19	3	US-08-467-023-227	Sequence 227, Appli	
6	78	75.7	19	3	US-08-467-023-236	Sequence 236, Appli	
7	78	75.7	20	3	US-08-467-023-230	Sequence 230, Appli	
8	76	73.8	15	4	US-09-142-524D-58	Sequence 58, Appli	
.9	74	71.8	19	3	US-08-467-023-121	Sequence 121, Appli	
10	74	71.8	19	3	US-08-467-023-122	Sequence 122, Appli	
11	70	68.0	19	3	US-08-467-023-126	Sequence 126, Appli	
12	69	67.0	17	3	US-08-467-023-257	Sequence 257, Appli	
13	65	63.1	13	3	US-08-467-023-235	Sequence 235, Appli	
14	65	63.1	3	US-08-467-023-255	Sequence 255, Appli		
15	65	63.1	15	3	US-08-467-023-256	Sequence 256, Appli	
16	63.1	16	3	US-08-467-023-250	Sequence 248, Appli		
17	65	63.1	16	3	US-08-467-023-251	Sequence 251, Appli	
18	65	63.1	17	3	US-08-467-023-251	Sequence 252, Appli	
19	65	63.1	18	3	US-08-467-023-252	Sequence 253, Appli	
20	65	63.1	18	3	US-08-467-023-253	Sequence 239, Appli	
21	65	63.1	19	3	US-08-467-023-239	Sequence 234, Appli	
22	65	63.1	20	3	US-08-467-023-234	Sequence 249, Appli	
23	60	58.3	16	3	US-08-467-023-249	Sequence 254, Appli	
24	57	55.3	16	3	US-08-467-023-254	Sequence 255, Appli	
25	53	51.5	14	3	US-08-467-023-247	Sequence 245, Appli	
26	53	51.5	15	3	US-08-467-023-245	Sequence 243, Appli	
27	53	51.5	16	3	US-08-467-023-243	Sequence 243, Appli	

ALIGNMENTS

RESULT 1
US-08-467-023-47
; Sequence 47, Application US/08467023
; Patent No. 6090386

GENERAL INFORMATION:

APPLICANT: Griffeth, Irwin J. ;
APPLICANT: Pollock, Joanne ;
APPLICANT: Bond, Julian P. ;
APPLICANT: Garman, Richard D. ;
APPLICANT: Kuo, Mei-Chang ;
APPLICANT: Young, Siu-mei H. ;
APPLICANT: Brauer, Andrew ;
APPLICANT: Exley, Mark A. ;
APPLICANT: Powers, Steven P. ;
TITLE OF INVENTION: Allergenic Proteins And Peptides From
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmunoLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154

COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 47:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: Peptide
FRAGMENT TYPE: internal

US-08-467-023-47

Query Match 96.1%; Score 99; DB 3; Length 20;
Best Local Similarity 95.0%; Pred. No. 5.4e-11;
Matches 19; Conservative 0; Mismatches 1; Indels 0;
Gaps 0;

Qy 1 KSMKTVAFNQFGPNAGQRM 20
Db 1 KSMKTVAFNQFGPNQGQRM 20

RESULT 2

US-09-142-524D-9

; Sequence 9, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; FILE REFERENCE: SPO-103
; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
; CURRENT FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO: 9
; SOFTWARE: PatentIn version 3.1
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-09-142-524D-9

Query Match 75.7%; Score 78; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;

Qy 1 KSMKTVAFNQFGPN 15
Db 1 KSMKTVAFNQFGPN 15

RESULT 3

US-09-142-524D-57

; Sequence 57, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; FILE REFERENCE: SPO-103
; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
; CURRENT FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO: 57
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Figure 1, Row 43

Query Match 75.7%; Score 78; DB 4; Length 15;

Best Local Similarity 100.0%; Pred. No. 2.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;

Qy 1 KSMKTVAFNQFGPN 15
Db 1 KSMKTVAFNQFGPN 15

RESULT 4

US-09-142-524D-158

; Sequence 158, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; FILE REFERENCE: SPO-103
; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
; CURRENT FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 158
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Figure 7, Row a
US-09-142-524D-158

Query Match 75.7%; Score 78; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;

Qy 1 KSMKTVAFNQFGPN 15
Db 1 KSMKTVAFNQFGPN 15

RESULT 5

US-08-467-023-227

; Sequence 227, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffeth, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Young, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Eley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESS: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02454
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

Query Match 75.7%; Score 78; DB 4; Length 15;

SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/250,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38-872
 RELEVANT DOCKET NUMBER: 025-6 USD2 (IMI-028CPD)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 227:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 19 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-227

Query Match 75.7%; Score 78; DB 3; Length 15
 Best Local Similarity 100.0%; Pred. No. 2.9e-07;
 Matches 15; Conservative 0; Mismatches 0; 1

Qy 1 KSMKVTVAFNQFGPN 15
 Db 3 KSMKVTVAFNQFGPN 17

RESULT 6
 US-08-467-023-236
 Sequence 236, Application US/08467023
 Patent No. 6030386
 GENERAL INFORMATION:
 APPLICANT: Griffeth, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D.;
 APPLICANT: Kuo, Mei-chang;
 APPLICANT: Yeung, Su-me H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides
 TITLE OF INVENTION: Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunologic Pharmaceutical Corporation
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02454
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38-872
 RELEVANT DOCKET NUMBER: 025-6 USD2 (IMI-028CPD)

```

/ TELECOMMUNICATION INFORMATION:
/   TELEPHONE: (617) 227-7400
/   TELEFAX: (617) 227-5941
/   INFORMATION FOR SEQ ID NO: 236:
/   SEQUENCE CHARACTERISTICS:
/     LENGTH: 19 amino acids
/     TYPE: amino acid
/     TOPOLOGY: linear
/     MOLECULE TYPE: peptide
/     FRAGMENT TYPE: internal
/     US-08-467-023-236

Query Match 75.7%; S
Best Local Similarity 100%; 0;
Matches 15; Conservative 0;

Qy   1 KSMKVTVAFNQFGPN 15
Db    3 KSMKVTVAFNQFGPN 17

RESULT 7
US-08-467-023-230
/ Sequence 230, Application US/0846
/ Patent No. 6090386
/ GENERAL INFORMATION:
/   APPLICANT: Griffith, Irwin J.
/   APPLICANT: Pollock, Joanne
/   APPLICANT: Bond, Julian F.
/   APPLICANT: Garman, Richard D.
/   APPLICANT: Kuo, Mei-Chang
/   APPLICANT: Yeung, Siu-nei H.
/   APPLICANT: Brauer, Andrew
/   APPLICANT: Exley, Mark A.
/   APPLICANT: Powers, Steven P.
/   TITLE OF INVENTION: Allergen
/   NUMBER OF SEQUENCES: 261
/   CORRESPONDENCE ADDRESS:
/     ADDRESSEE: Immunologic Pharma
/     STREET: 610 Lincoln St
/     CITY: Waltham
/     STATE: MA
/     COUNTRY: USA
/     ZIP: 02154
/ COMPUTER READABLE FORM:
/   MEDIUM TYPE: Floppy disk
/   COMPUTER: IBM PC compatible
/   OPERATING SYSTEM: PC-DOS/MS
/   SOFTWARE: Patentin Release
/   CURRENT APPLICATION DATA:
/     APPLICATION NUMBER: US/08/4
/     FILING DATE: June 6, 1995
/     CLASSIFICATION: 424
/   PRIOR APPLICATION DATA:
/     APPLICATION NUMBER: 08/350,
/     FILING DATE: December 6, 19
/   ATTORNEY/AGENT INFORMATION:
/     NAME: Jane E. Remillard
/     REGISTRATION NUMBER: 38,872
/     REFERENCE/DOCKET NUMBER: 02
/   TELECOMMUNICATION INFORMATION:
/     TELEPHONE: (617) 227-7400
/     TELEFAX: (617) 227-5941
/   INFORMATION FOR SEQ ID NO: 230:
/   SEQUENCE CHARACTERISTICS:
/     LENGTH: 20 amino acids
/     TYPE: amino acid
/     TOPOLOGY: linear
/     MOLECULE TYPE: peptide
/     FRAGMENT TYPE: internal
/     US-08-467-023-236

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Query Match 75.7%; Score 78; DB 3; Length 20;
 Best Local Similarity 100.0%; Pred. No. 3e-07;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KSMKTVAFNQGPN 15
 Db 4 KSMKTVAFNQGPN 18

RESULT 8
 US-09-142-524D-58
 Sequence 58, Application US/09142524D
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Aki-Iko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103
 CURRENT APPLICATION NUMBER: US/09/142,524D
 CURRENT FILING DATE: 1998-09-09
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 58
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC. FEATURE
 LOCATION: (1) .. (15)
 OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 44

US-09-142-524D-58

Query Match 73.8%; Score 76; DB 4; Length 15;
 Best Local Similarity 93.3%; Pred. No. 5e-07;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 6 TVAFNQGPNAQRM 20
 Db 1 TVAFNQFGNGQRM 15

RESULT 9
 US-09-467-023-121
 Sequence 121, Application US/08467023
 GENERAL INFORMATION:
 APPLICANT: Griffith, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D.;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Young, Siu-Mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.;
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immulogic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02154

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025-6 US2D2 (IMI-028CPD2)

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 121:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 19 amino acids
 TYPE: amino acid
 TOPOLOGY: Linear
 MOLECULE TYPE: Peptide
 FRAGMENT TYPE: Internal

US-08-467-023-121

Query Match 71.8%; Score 74; DB 3; Length 19;
 Best Local Similarity 93.3%; Pred. No. 1.5e-06;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KSMKTVAFNQGPN 15
 Db 3 KSMKTVAFNQGPN 17

RESULT 10
 US-08-467-023-122
 Sequence 122, Application US/08467023
 GENERAL INFORMATION:
 APPLICANT: Griffith, Irwin J.;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D.;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Young, Siu-Mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.;
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immulogic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02154

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872

REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 122:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 19 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: Internal
 US-08-467-023-122

Query Match 71.8%; Score 74; DB 3; Length 19;
 Best Local Similarity 93.3%; Prod. No. 1.5e-06;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KSMKTVAFNQFGPN 15
 Db 3 KSMKTVAFNQFGPN 17

RESULT 11
 US-08-467-023-126
 Application US/08467023
 ; Parent: No. 6090386

GENERAL INFORMATION:
 APPLICANT: Griffeth, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Young, Siu-Mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.

TITLE OF INVENTION: Allergenic Proteins And Peptides From
 NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02454

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIORITY APPLICATION NUMBER:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994

ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 126:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 19 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-126

RESULT 12
 US-08-467-023-257
 Application US/08467023
 ; Sequence 257, Application US/08467023

GENERAL INFORMATION:
 APPLICANT: Griffeth, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Young, Siu-Mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.

TITLE OF INVENTION: Allergenic Proteins And Peptides From
 NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02454

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIORITY APPLICATION NUMBER:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994

ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 257:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-257

Query Match 68.0%; Score 69; DB 3; Length 17;
 Best Local Similarity 93.3%; Prod. No. 1e-05;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KSMKTVAFNQFGPN 15
 Db 3 KSMKTVAFNQFGPN 17

RESULT 13
 US-08-467-023-235

Sequence 235, Application US/08467023
 Patent No. 6090386
 GENERAL INFORMATION:
 APPLICANT: Griffeth, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Young, Siu-mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immulogic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02154
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIN Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025..6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 255:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 15 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-255

RESULT 15
 US-08-467-023-256
 US-08-467-023-256
 ; Sequence 256, Application US/08467023
 ; Patient No. 6090386
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffeth, Irwin J.;
 ; APPLICANT: Pollock, Joanne;
 ; APPLICANT: Bond, Julian F.;
 ; APPLICANT: Garman, Richard D;
 ; APPLICANT: Kuo, Mei-Chang;
 ; APPLICANT: Young, Siu-mei H.;
 ; APPLICANT: Brauer, Andrew;
 ; APPLICANT: Exley, Mark A.;
 ; APPLICANT: Powers, Steven P.
 ; TITLE OF INVENTION: Allergenic Proteins And Peptides From
 ; NUMBER OF SEQUENCES: 261
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Immulogic Pharmaceutical Corporation, Inc.
 ; STREET: 610 Lincoln St
 ; CITY: Waltham
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02154
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk

Query Match 63.1%; Score 65; DB 3; Length 13;
 Best Local Similarity 100.0%; Pred. No. 3.9e-05;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 KSMKTVAFNQFG 13
 Db 1 KSMKTVAFNQFG 13

RESULT 14
 US-08-467-023-255
 US-08-467-023-255
 ; Sequence 255, Application US/08467023
 ; Patient No. 6090386
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffeth, Irwin J.;
 ; APPLICANT: Pollock, Joanne;
 ; APPLICANT: Bond, Julian F.;
 ; APPLICANT: Garman, Richard D;
 ; APPLICANT: Kuo, Mei-Chang;
 ; APPLICANT: Young, Siu-mei H.;
 ; APPLICANT: Brauer, Andrew;
 ; APPLICANT: Exley, Mark A.;
 ; APPLICANT: Powers, Steven P.
 ; TITLE OF INVENTION: Allergenic Proteins And Peptides From
 ; NUMBER OF SEQUENCES: 261
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Immulogic Pharmaceutical Corporation, Inc.
 ; STREET: 610 Lincoln St
 ; CITY: Waltham
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02154
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 256:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: Peptide
FRAGMENT TYPE: internal
S 08 467,023 256

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Query Match      63.1%;  Score 65;  DB 3;  Length 15;
Best Local Similarity 100.0%;  Pred. No. 4.66-05;
Matches 13;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;
Y 1 KSMKTTVAFNQFG 13
Y 2 KSMKTTVAFNQFG 14

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Search completed: January 26, 2005, 16:08:27
Search time: 14.6 seconds

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OM protein - protein search, using SW model

Run on: January 26, 2005, 16:03:29 ; Search time 55.4 Seconds
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130,429 Million cell updates/sec

Title: US-09-202-464-25

Perfect score: 109

Sequence: 1 QFGPNAGQMRPARYGLHV 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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20: /cggn2_6/ptodata/1/pubaa/US60_NEWPUBCOMB.pep:*

RESULT 1
US-10-354-240-59

1: Sequence 59, Application US/10354240
/ Publication No. US20030185847A1
/ GENERAL INFORMATION:
/ APPLICANT: Sone, Toshiro
/ APPLICANT: Kume, Akinori
/ APPLICANT: Dairiki, Kazuo
/ APPLICANT: Iwama, Atsuko
/ APPLICANT: Kino, Kohsuke
/ TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
/ FILE REFERENCE: SPO-103D1
/ CURRENT APPLICATION NUMBER: US/10/354,240
/ CURRENT FILING DATE: 2003-01-29
/ PRIORITY APPLICATION NUMBER: PCT/JP97/00740
/ PRIORITY FILING DATE: 1997-03-10
/ PRIORITY APPLICATION NUMBER: US 09/142,524
/ PRIORITY FILING DATE: 1998-09-09
/ NUMBER OF SEQ ID NOS: 174
/ SOFTWARE: Patentin version 3.1
/ SEQ ID NO 59
/ LENGTH: 15
/ TYPE: PRT
/ ORGANISM: Cryptomeria japonica
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (1)-(15)
/ OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 45
US-10-354-240-59

Query Match 72.5% ; Score 79; DB 14; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.1e-05;

Matches 14; Conservative 0; Mismatches 1; Index 0; Gaps 0;

QY 1 QFGPNAGQMRPARY 15
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	79	72.5	15	US-10-354-240-59	Sequence 59, App1
2	74	67.9	15	US-10-354-240-60	Sequence 60, App1
3	53	48.6	15	US-10-354-240-61	Sequence 61, App1
4	51	46.8	15	US-10-354-240-58	Sequence 58, App1
5	35	32.1	19	US-09-834-765A-1106	Sequence 1106, App1
6	33	30.3	10	US-09-834-765-397	Sequence 397, App1
7	33	30.3	20	US-10-147-441-16	Sequence 147, App1
8	33	30.3	20	US-10-147-441-16	Sequence 147, App1
9	33	30.3	20	US-10-456-940-16	Sequence 16, App1
10	33	30.3	20	US-10-456-940-16	Sequence 16, App1
11	33	30.3	20	US-10-718-445-23	Sequence 23, App1
12	33	30.3	20	US-10-717-948-23	Sequence 23, App1
13	31	28.4	9	US-09-852-910-196	Sequence 196, App1
14	31	28.4	15	US-10-411-336A-196	Sequence 9, App1
15	30	27.5	15	US-10-354-240-9	Sequence 57, App1
16	30	27.5	15	US-10-354-240-57	Sequence 158, App1
17	30	27.5	15	US-10-354-240-158	Sequence 202, App1
18	30	27.5	18	US-10-212-638-202	Sequence 47, App1
19	30	27.5	20	US-10-319-315-47	Sequence 8, App1
20	30	27.5	21	US-10-776-87A-8	Sequence 8, App1
21	29	26.6	9	US-09-988-113-8	Sequence 8, App1
22	29	26.6	9	US-10-341-582-8	Sequence 8, App1
23	29	26.6	9	US-10-384-451-8	Sequence 8, App1
24	29	26.6	9	US-10-384-450-8	Sequence 8, App1
25	29	26.6	9	US-10-371-218A-8	Sequence 8, App1
26	29	26.6	9	US-10-456-73-8	Sequence 8, App1
27	29	26.6	9	US-10-785-116-8	Sequence 8, App1
28	29	26.6	9	US-10-730-454-26	Sequence 26, App1
29	29	26.6	9	US-10-300-210-199	Sequence 32, App1
30	29	26.6	10	US-09-986-288-199	Sequence 199, App1
31	29	26.6	10	US-09-572-304B-20	Sequence 20, App1
32	29	26.6	19	US-09-864-761-34455	Sequence 199, App1
33	29	26.6	10	US-09-596-265-199	Sequence 148, App1
34	29	26.6	10	US-10-022-056-448	Sequence 199, App1
35	29	26.6	10	US-10-361-863-199	Sequence 199, App1
36	29	26.6	10	US-10-300-210-199	Sequence 199, App1
37	29	26.6	15	US-10-487-886-111	Sequence 11, App1
38	29	26.6	19	US-09-864-761-34455	Sequence 34455, App1
39	28	25.7	11	US-09-524-134	Sequence 60, App1
40	28	25.7	11	US-10-404-679-60	Sequence 1, App1
41	28	25.7	11	US-10-404-922-1	Sequence 446, App1
42	28	25.7	12	US-08-44-550B-446	Sequence 24, App1
43	28	25.7	13	US-10-373-540-24	Sequence 29, App1
44	28	25.7	13	US-10-373-540-29	Sequence 838, App1

Best Local Similarity 90.0%; Pred. No. 0.; Mismatches 0; Indels 0; Gaps 0;

Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PRARYGLIHV 20
 Db 1 PRARYGLIHV 10

RESULT 4
 US-10-354-240-58
 Sequence 58, Application US/10354240
 Publication No. US20030185847A1
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103D1
 CURRENT APPLICATION NUMBER: US/10/354,240
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 2003-01-29
 PRIORITY NUMBER: US 09/142,524
 PRIORITY NUMBER: 1997-03-10
 PRIORITY NUMBER: US 09/142,524
 PRIORITY FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 60
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC_FEATURE
 LOCATION: (1)..(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 46
 US-10-354-240-60

Query Match 67.9%; Score 74; DB 14; Length 15;
 Best Local Similarity 92.9%; Pred. No. 7.3e-05;
 Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GQMRPARRYGLIHV 20
 Db 2 GQMRPARRYGLIHV 15

RESULT 3
 US-10-354-240-61
 Sequence 61, Application US/10354240
 Publication No. US20030185847A1
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103D1
 CURRENT APPLICATION NUMBER: US/10/354,240
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 PRIORITY NUMBER: US 09/142,524
 PRIORITY FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 61
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC_FEATURE
 LOCATION: (1)..(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 47
 US-10-354-240-61

Query Match 68.6%; Score 53; DB 14; Length 15;
 Best Local Similarity 50.0%; Pred. No. 1.7e+02;
 Matches 5; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 11 PRARYGLIHV 20
 Db 1 PRARYGLIHV 10

RESULT 4
 US-10-354-240-58
 Sequence 58, Application US/10354240
 Publication No. US20030185847A1
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103D1
 CURRENT APPLICATION NUMBER: US/10/354,240
 CURRENT FILING DATE: 2003-01-29
 PRIORITY NUMBER: PCT/JP97/00740
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 PRIORITY NUMBER: US 09/142,524
 PRIORITY FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 58
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC_FEATURE
 LOCATION: (1)..(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 44
 US-10-354-240-58

Query Match 46.8%; Score 51; DB 14; Length 15;
 Best Local Similarity 90.0%; Pred. No. 0.36%;
 Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QFGPNAGQRM 10
 Db 6 QFGPNAGQRM 15

RESULT 5
 US-10-225-567A-1106
 Sequence 1106, Application US/10225567A
 Publication No. US2003013798A1
 GENERAL INFORMATION:
 APPLICANT: Lifespan Biosciences
 APPLICANT: Brown, Joseph P.
 APPLICANT: Burner, Glenna C.
 APPLICANT: Roush, Christine L.
 TITLE OF INVENTION: ANTI-GENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTOR
 FILE REFERENCE: 1920-4-4
 CURRENT APPLICATION NUMBER: US/10/225,567A
 CURRENT FILING DATE: 2001-12-19
 PRIORITY NUMBER: 60/257,144
 PRIORITY NUMBER: 60/257,144
 PRIORITY FILING DATE: 2000-12-19
 NUMBER OF SEQ ID NOS: 2292
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 1106
 LENGTH: 19
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-225-567A-1106

Query Match 32.1%; Score 35; DB 14; Length 19;
 Best Local Similarity 50.0%; Pred. No. 1.7e+02;
 Matches 5; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 4 PNAQORMPRA 13
 Db 8 PGSGQQLFRS 17

RESULT 6
 US-09-834-765-397
 ; Sequence 397, Application US/09834765
 GENERAL INFORMATION
 ; Patent No. US2002005478A1
 ; APPLICANT: Mary Faris
 ; APPLICANT: Pia M. Challita-Bid
 ; APPLICANT: Arthur B. Raitano
 ; APPLICANT: Steve Chappell Mitchell
 ; APPLICANT: Daniel E.H. Afar
 ; TITLE OF INVENTION: GTP-BINDING PROTEIN USEFUL IN TREATMENT
 ; FILE NUMBER: 129.60S01
 ; CURRENT APPLICATION NUMBER: US/09/834.765
 ; CURRENT FILING DATE: 2001-09-21
 ; PRIOR APPLICATION NUMBER: 60/197,647
 ; PRIOR FILING DATE: 2000-04-12
 ; NUMBER OF SEQ ID NOS: 770
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 397

Query Match 30.3%; Score 33; DB 9; Length 10;
 Best Local Similarity 60.0%; Pred. No. 1.9e+02;
 Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 3 GPNAGORMPRA 12
 Db 1 GPPGGSRMPR 10

RESULT 9
 US-10-456-949-16
 ; Sequence 16, Application US/10456949
 ; Publication No. US20040005316A1
 GENERAL INFORMATION
 ; APPLICANT: Kevin J. Tracey
 ; APPLICANT: Huan Yang
 ; APPLICANT: Howland Shaw Warren, Jr.
 ; TITLE OF INVENTION: USE OF HMG FRAGMENTS AS ANTI-INFLAMMATORY AGENTS
 ; FILE REFERENCE: 3268.1001-006
 ; CURRENT APPLICATION NUMBER: US/10/456,949
 ; CURRENT FILING DATE: 2003-06-06
 ; PRIOR APPLICATION NUMBER: 10/147,447
 ; PRIOR FILING DATE: 2002-05-15
 ; PRIOR APPLICATION NUMBER: 60/291,034
 ; NUMBER OF SEQ ID NOS: 23
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 16

Query Match 30.3%; Score 33; DB 14; Length 20;
 Best Local Similarity 60.0%; Pred. No. 3.8e+02;
 Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 PNAQORMPRA 13
 Db 4 PNAPKRLPSA 13

RESULT 10
 US-10-456-947-45
 ; Sequence 45, Application US/10456947
 ; Publication No. US20040053841A1

Query Match 30.3%; Score 33; DB 15; Length 20;
 Best Local Similarity 60.0%; Pred. No. 3.8e+02;
 Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

GENERAL INFORMATION:
 ; APPLICANT: Kevin J. Tracey
 ; TITLE OF INVENTION: INHIBITORS OF THE INTERACTION BETWEEN
 ; TITLE OF INVENTION: HMGB POLYPEPTIDES AND TOLL-LIKE RECEPTOR 2 AS
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
 ; FILE REFERENCE: 3268 1001-007
 ; CURRENT APPLICATION NUMBER: US/10/456,947
 ; CURRENT FILING DATE: 2003-06-06
 ; PRIOR APPLICATION NUMBER: 10/147,447
 ; PRIOR FILING DATE: 2002-05-15
 ; PRIOR APPLICATION NUMBER: 60/291,034
 ; PRIOR FILING DATE: 2001-05-15
 ; NUMBER OF SEQ ID NOS: 46
 ; SEQ ID NO: 45
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-456-947-45

Query Match 30.3%; Score 33; DB 16; Length 20;
 Best Local Similarity 60.0%; Pred. No. 3.8e+02; Indels 0; Gaps 0;
 Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 PNAQORMPRA 13
 Db 4 PNAPKRLPSA 13

RESULT 11
 SEQ ID NO: 11
 LENGTH: 23
 Sequence 23, Application US/10718495
 Publication No. US/040141945A1
 GENERAL INFORMATION:
 ; APPLICANT: O'Keefe, Theresa L.
 ; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
 FILE REFERENCE: 3258 1009-001
 CURRENT APPLICATION NUMBER: US/10/718,495
 CURRENT FILING DATE: 2003-11-12
 PRIOR APPLICATION NUMBER: 60/427,841
 PRIOR FILING DATE: 2002-11-20
 NUMBER OF SEQ ID NOS: 58
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 23
 LENGTH: 20
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-718-495-23

Query Match 30.3%; Score 33; DB 16; Length 20;
 Best Local Similarity 60.0%; Pred. No. 3.8e+02; Indels 0; Gaps 0;
 Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 PNAQORMPRA 13
 Db 4 PNAPKRLPSA 13

RESULT 12
 US-10-17-984-23
 ; Sequence 23, Application US/10717984
 ; Publication No. US/20040156851A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Newman, Walter
 ; TITLE OF INVENTION: HMGB1 COMBINATION THERAPIES
 FILE REFERENCE: 3258-1008-001
 CURRENT APPLICATION NUMBER: US/10/717,984
 CURRENT FILING DATE: 2003-11-20
 PRIOR APPLICATION NUMBER: 60/427,846
 PRIOR FILING DATE: 2002-11-20
 NUMBER OF SEQ ID NOS: 58

GENERAL INFORMATION:
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 23
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-17-984-23

Query Match 30.3%; Score 33; DB 16; Length 20;
 Best Local Similarity 60.0%; Pred. No. 3.8e+02; Indels 0; Gaps 0;
 Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 PNAQORMPRA 13
 Db 4 PNAPKRLPSA 13

RESULT 13
 SEQ ID NO: 13
 LENGTH: 196
 Sequence 196, Application US/09852910
 Publication No. US/20030096297A1
 GENERAL INFORMATION:
 ; APPLICANT: Hamm, Heidi
 ; TITLE OF INVENTION: Method For Identifying Inhibitors of G Protein Coupled Receptor S
 FILE REFERENCE: 2661-101
 CURRENT APPLICATION NUMBER: US/09/852,910
 CURRENT FILING DATE: 2003-09-18
 PRIOR APPLICATION NUMBER: US 60/275,472
 PRIOR FILING DATE: 2001-03-14
 NUMBER OF SEQ ID NOS: 271
 SOFTWARE: PatentIn version 3.0
 SEQ ID NO: 196
 LENGTH: 11
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)-(11)
 ; OTHER INFORMATION: Gs library peptide
 US-09-852-910-196

Query Match 28.4%; Score 31; DB 10;
 Best Local Similarity 54.5%; Pred. No. 4.3e+02;
 Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 8 QRMPLARYGLI 18
 Db 1 QRMPLRQYELL 11

RESULT 14
 SEQ ID NO: 14
 LENGTH: 196
 Sequence 196, Application US/10411336A
 Publication No. US/2004018558A1
 GENERAL INFORMATION:
 ; APPLICANT: GILCHRIST, ANNETTE
 ; TITLE OF INVENTION: METHOD FOR IDENTIFYING MODULATORS OF G PROTEIN COUPLED RECEPTOR
 FILE REFERENCE: 2661-102
 CURRENT APPLICATION NUMBER: US/10/411,336A
 CURRENT FILING DATE: 2003-04-11
 PRIOR APPLICATION NUMBER: US 09/652910
 PRIOR FILING DATE: 2001-05-11
 PRIOR APPLICATION NUMBER: US 60/275472
 PRIOR FILING DATE: 2001-03-14
 NUMBER OF SEQ ID NOS: 273
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 196
 LENGTH: 11
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:

OTHER INFORMATION: Gs library peptide
us-10-411-336A-196

Query Match 28.4%; Score 31; DB 15; Length 11;
Best Local Similarity 54.5%; Pred. No. 4.3e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 8 ORMPARAYGLI 18
||| :|:|:
Db 1 QRMLPLRQYELL 11

RESULT 15

US-10-354-240-9
; Sequence 9, Application US/10354240
; GENERAL INFORMATION
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103DL
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 9/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica

us-10-354-240-9

Query Match 27.5%; Score 30; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 8.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 QFGPN 5
|||:
Db 11 QFGPN 15

Search completed: January 26, 2005, 16:55:03
Job time : 56.5 secs

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Result No.	Score	Query Match	Length	DB ID	Description
1	83	72.2	15	US-10-354-240-62	Sequence 62, Appl
2	82	71.3	15	US-10-354-240-61	Sequence 61, Appl
3	58	50.4	15	US-10-354-244-63	Sequence 63, Appl
4	53	46.1	15	US-10-354-240-60	Sequence 60, Appl
5	37	32.2	16	US-10-012-542-515	Sequence 515, App
6	37	32.2	16	US-10-115-629-515	Sequence 515, App
7	35	30.4	13	US-10-300-690A-69	Sequence 69, Appl
8	33	28.7	11	US-10-458-543-7	Sequence 7, Appl
9	33	28.7	11	US-10-458-543-25	Sequence 25, Appl
10	33	28.7	14	US-10-813-631B-127	Sequence 1274, Ap
11	33	28.7	19	US-09-864-761-3445	Sequence 3445, A
12	33	28.7	20	US-10-249-695-89	Sequence 89, Appl
13	33	28.7	20	US-10-410-990-89	Sequence 89, Appl

Pre. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	83	72.2	15	US-10-354-240-62	Sequence 62, Appl
2	82	71.3	15	US-10-354-240-61	Sequence 61, Appl
3	58	50.4	15	US-10-354-244-63	Sequence 63, Appl
4	53	46.1	15	US-10-354-240-60	Sequence 60, Appl
5	37	32.2	16	US-10-012-542-515	Sequence 515, App
6	37	32.2	16	US-10-115-629-515	Sequence 515, App
7	35	30.4	13	US-10-300-690A-69	Sequence 69, Appl
8	33	28.7	11	US-10-458-543-7	Sequence 7, Appl
9	33	28.7	11	US-10-458-543-25	Sequence 25, Appl
10	33	28.7	14	US-10-813-631B-127	Sequence 1274, Ap
11	33	28.7	19	US-09-864-761-3445	Sequence 3445, A
12	33	28.7	20	US-10-249-695-89	Sequence 89, Appl
13	33	28.7	20	US-10-410-990-89	Sequence 89, Appl

Qy 6 GLIHAVNNYDPWSI 20
||:|||||:|||:|

ALIGNMENTS

RESULT 1
US-10-354-240-62
; Sequence 62, Application US-10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-1031D1
; CURRENT APPLICATION NUMBER: US-10/354, 240
; CURRENT FILING DATE: 2003-01-29
; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
; PRIORITY FILING DATE: 1997-03-10
; PRIORITY APPLICATION NUMBER: US 09/142, 524
; PRIORITY FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 62
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 Peptide, Figure 1, Row 48
US-10-354-240-62

Best Local Similarity 90.0%; Pred. No. 0.075; 1; Mismatches 0; Indels 0; Gaps 0;

Db 1 GLVHANNYDPWTI 15

RESULT 2

US-10-354-240-61

; Sequence 61, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 61

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE: MISC_FEATURE

; NAME/KEY: MISC_FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 47

US-10-354-240-61

Query Match 1 PRARYGLIHVANNY 15

Best Local Similarity 93.3%; Pred. No. 1.7e-05; Length 15;

Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Db 1 PRARYGLIHVANNY 15

RESULT 3

US-10-354-240-63

; Sequence 63, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SEQ ID NO: 63

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE: MISC_FEATURE

; NAME/KEY: MISC_FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 49

US-10-354-240-63

Query Match 50.4%; Score 58; DB 14; Length 15;

Qy 11 ANNNYDPWSI 20

Db 1 ANNNYDPWTI 1.0

RESULT 4

US-10-354-240-60

; Sequence 60, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 60

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE: MISC_FEATURE

; NAME/KEY: MISC_FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 46

US-10-354-240-60

Query Match 46.1%; Score 53; DB 14; Length 15;

Best Local Similarity 90.0%; Pred. No. 0.33; Mismatches 1; Indels 0; Gaps 0;

Qy 1 PRARYGLIHV 10

Db 6 PRARYGLVHV 15

RESULT 5

US-10-012-542-515

; Sequence 515, Application US/10012542

; Publication No. US200304451A1

; GENERAL INFORMATION:

; APPLICANT: Ruben et al.

; TITLE OF INVENTION: 94 Human Secreted Proteins

; FILE REFERENCE: P202981

; CURRENT APPLICATION NUMBER: US/10/012,542

; CURRENT FILING DATE: 2001-12-12

; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325

; PRIOR FILING DATE: EARLIER FILING DATE: 1999-12-14

; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,507

; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16

; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,508

; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16

; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,509

; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16

; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,510

; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16

; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,112

; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22

; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,113

; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22

; NUMBER OF SEQ ID NOS: 532

; SOFTWARE: PatentIn Ver. 2.0

Query Match

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; SEQ ID NO 515
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-012-512-515

Query Match 32.2%; Score 37; DB 14; Length 16;
Best Local Similarity 55.6%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
Db

RESULT 6
us-10-115-123-515
; Sequence 515, Application US/10115123
; Publication No. US20030065151A1
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: P2C29G30A1P1D2
; CURRENT APPLICATION NUMBER: US/10/115-123
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: PCT/US99/13418
; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/089,507
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,508
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,509
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,510
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/090,112
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090,113
; PRIOR FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 515
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-115-123-515

Query Match 32.2%; Score 37; DB 14; Length 16;
Best Local Similarity 55.6%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
Db

RESULT 6
us-10-300-694A-69
; Sequence 69, Application US/10300694A
; Publication No. US20030185870A1
; GENERAL INFORMATION
; APPLICANT: Duke University
; APPLICANT: Grinstaff, Mark W.
; APPLICANT: Kenan, Daniel J.
; APPLICANT: Walsh, Elisabeth B.
; APPLICANT: Middleton, Crystan
; TITLE OF INVENTION: INTERFACIAL BIOMATERIALS
; FILE REFERENCE: 180/143/2
; CURRENT APPLICATION NUMBER: US/10/300,694A
; CURRENT FILING DATE: 2003-05-07
; PRIOR APPLICATION NUMBER: US 60/331,843
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 117

Query Match 30.4%; Score 35; DB 14; Length 13;
Best Local Similarity 71.4%; Pred. No. 2.1e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 12 NNNYDPW 18
Db 3 NVNVNWN 9

RESULT 8
US-10-468-543-7
; Sequence 7, Application US/10468543
; Publication No. US20040091938A1
; GENERAL INFORMATION
; APPLICANT: Irimura, Tatsuro
; APPLICANT: Matsumoto, Mariko
; APPLICANT: Yim, MiJung
; APPLICANT: Ono, Takashi
; TITLE OF INVENTION: Lectins for Analyzing Sugar Chains and Method of Using the Same
; FILE REFERENCE: 03-786
; CURRENT APPLICATION NUMBER: US/10/468,543
; CURRENT FILING DATE: 2003-08-20
; PRIOR APPLICATION NUMBER: JP 2001-044221
; PRIOR FILING DATE: 2001-02-20
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Maackia amurensis
; US-10-468-543-7

Query Match 28.7%; Score 33; DB 15;
Best Local Similarity 66.7%; Pred. No. 3.5e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 13 NNNYDPW 18
Db 6 HSYDPW 11

RESULT 9
US-10-468-543-25
; Sequence 25, Application US/10468543
; Publication No. US20040091938A1
; GENERAL INFORMATION
; APPLICANT: Irimura, Tatsuro
; APPLICANT: Matsumoto, Mariko
; APPLICANT: Yim, MiJung
; APPLICANT: Ono, Takashi
; TITLE OF INVENTION: Lectins for Analyzing Sugar Chains and Method of Using the Same
; FILE REFERENCE: 03-786
; CURRENT APPLICATION NUMBER: US/10/468,543
; CURRENT FILING DATE: 2003-08-20
; PRIOR APPLICATION NUMBER: JP 2001-044221
; PRIOR FILING DATE: 2001-02-20
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Maackia amurensis
; US-10-468-543-25

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Query Match 28.7%; Score 33; DB 15; Length 11;
Best Local Similarity 66.7%; Pred. No. 3.5e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Y :|||: 13 NYDPW 18
b :|||: 6 HSYDPW 11

RESULTS 10
-10-01-813-638-1274
Sequence 1274, Application US/10813638
Publication No. US2004025026A1
GENERAL INFORMATION:
APPLICANT: Shmikts, Richard A.
APPLICANT: Leach, Martin D.
TITLE OF INVENTION: NUCLEIC ACIDS CONTAINING SINGLE NUCLEIC ACID POLYMORPHISMS AND METHODS OF USE THEREOF
FILE REFERENCE: 15966-599
CURRENT APPLICATION NUMBER: US/10/813,638
CURRENT FILING DATE: 2004-03-29
PRIOR APPLICATION NUMBER: 60/163,783
PRIOR FILING DATE: 1999-11-24
NUMBER OF SEQ ID NOS: 1465
SOFTWARE: Curagen Patent Formatter Version 0.9
SEQ ID NO 1274
LENGTH: 14
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE: VARIANT
NAME/KEY: VARIANT
LOCATION: (7) ... (0)
OTHER INFORMATION: cSNP translation
S-10-01-813-638-1274

Query Match 28.7%; Score 33; DB 17; Length 14;
Best Local Similarity 57.1%; Pred. No. 4.5e+02;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
Y :|||: 14 NYDPW 1
b :|||: 6 SYNPSL 12

RESULTS 11
S-09-864-761-34455
Sequence 34455, Application US/09864761
Patent No. US2002048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Weiheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Aeomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/006667
PRIOR FILING DATE: 2001-01-10
PRIOR APPLICATION NUMBER: PCT/US01/006667
PRIOR APPLICATION NUMBER: PCT/US01/006668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006671
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 34455
LENGTH: 19
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AC007275,3
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 3.8
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 3.8
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 4.3
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 4
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.6
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 3.7
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.2
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 21
OTHER INFORMATION: EXPRESSED IN HLEA, SIGNAL = 5.2
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 4.5
US-09-864-761-34455
Query Match 28.7%; Score 33; DB 9; Length 19;
Best Local Similarity 40.0%; Pred. No. 6.1e+02;
Matches 4; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
Db 2 RARYGLHVA 11
Db :|||:|||: 3 KRNYGILHIA 12

RESULTS 12
US-10-269-695-89
Sequence 89, Application US/10269695
Publication No. US20030229023A1
GENERAL INFORMATION:
APPLICANT: OLINER, JONATHAN DANIEL
APPLICANT: MIN, HOSUNG
TITLE OF INVENTION: SPECIFIC BINDING AGENTS OF HUMAN ANGIOPOIETIN-2
FILE REFERENCE: A-801A
CURRENT APPLICATION NUMBER: US/10/269,695
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: US 60/414,155
PRIOR FILING DATE: 2004-09-27
PRIOR APPLICATION NUMBER: US 60/328,624
PRIOR FILING DATE: 2001-10-11
NUMBER OF SEQ ID NOS: 359
SOFTWARE: PatentIn version 3.1
SEQ ID NO 89
LENGTH: 20
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Polypeptide capable of binding to Ang-2

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 26, 2005, 15:54:02 ; Search time 14.6 Seconds
 (without alignments)
 90.847 Million cell updates/sec

Title: US-09-202-464-26
 Perfect score: 115
 Sequence: 1 PRARYGLIHAVNNYDPNSI 20

Scoring table: BLOSSM62
 Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0
 Maximum DB seq length: 20

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing First 45 summaries

Database : Issued_Patents_AA:
 1: /cgn2_6/ptodata/1/iaa/5A_COMBO.pep:
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 3: /cgn2_6/ptodata/1/iaa/6A_COMBO.pep:
 4: /cgn2_6/ptodata/1/iaa/6B_COMBO.pep:
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 6: /cgn2_6/ptodata/1/iaa/backFiles.pep:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	111	96.5	20	3 US-08-467-023-49	Sequence 49, App1
2	104	90.4	19	3 US-08-467-023-258	Sequence 258, App1
3	83	72.2	15	4 US-09-142-524D-62	Sequence 62, App1
4	82	71.3	15	4 US-09-142-524D-61	Sequence 61, App1
5	58	50.4	15	4 US-09-142-524D-63	Sequence 63, App1
6	58	50.4	20	3 US-08-467-023-50	Sequence 50, App1
7	53	46.1	15	4 US-09-142-524D-60	Sequence 60, App1
8	53	46.1	20	3 US-08-467-023-48	Sequence 48, App1
9	50	43.5	17	1 US-08-290-448A-55	Sequence 55, App1
10	50	43.5	17	1 US-08-290-448A-55	Sequence 55, App1
11	50	43.5	17	1 US-08-175-062A-55	Sequence 55, App1
12	50	43.5	17	3 US-08-461-933B-55	Sequence 55, App1
13	40.5	43.5	17	3 US-08-464-000-55	Sequence 55, App1
14	40.5	35.2	15	1 US-08-290-448A-28	Sequence 28, App1
15	40.5	35.2	15	1 US-08-290-448A-28	Sequence 28, App1
16	40.5	35.2	15	1 US-08-175-062A-28	Sequence 28, App1
17	40.5	35.2	15	3 US-08-461-933B-28	Sequence 28, App1
18	40.5	35.2	15	3 US-08-464-000-28	Sequence 28, App1
19	37	32.2	16	4 US-09-461-325-515	Sequence 515, App1
20	37	32.2	16	4 US-10-012-542-515	Sequence 515, App1
21	37	32.2	16	4 US-10-115-123-515	Sequence 515, App1
22	34	29.6	17	3 US-09-025-762B-207	Sequence 207, App1
23	34	29.6	17	4 US-09-490-0704-207	Sequence 207, App1
24	34	29.6	17	4 US-09-490-153-207	Sequence 207, App1
25	31.5	27.4	12	4 US-09-025-762B-180	Sequence 180, App1
26	31.5	27.4	12	4 US-09-490-070A-180	Sequence 180, App1
27	31.5	27.4	12	4 US-09-490-153-180	Sequence 180, App1

ALIGNMENTS

RESULT 1
 US-08-467-023-49

; Sequence 49, Application US/08467023
 ; Patent No. 6090386

; GENERAL INFORMATION:

; / APPLICANT: Griffeth, Irwin J. ;
 ; / APPLICANT: Pollock, Joanne ;
 ; / APPLICANT: Bond, Julian F. ;
 ; / APPLICANT: Garman, Richard D. ;
 ; / APPLICANT: Kuo, Mei-Chang ;
 ; / APPLICANT: Yeung, Siu-mei H. ;
 ; / APPLICANT: Braver, Andrew ;
 ; / APPLICANT: Exley, Mark A. ;
 ; / APPLICANT: Powers, Steven P. ;
 ; / TITLE OF INVENTION: Allergenic Proteins And Peptides From
 ; / NUMBER OF SEQUENCES: 261
 ; / CORRESPONDENCE ADDRESS:
 ; / ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 ; / STREET: 610 Lincoln St.
 ; / CITY: Waltham
 ; / STATE: MA
 ; / COUNTRY: USA
 ; / ZIP: 02154
 ; / COMPUTER READABLE FORM:
 ; / MEDIUM TYPE: FLOPPY disk
 ; / COMPUTER: IBM PC
 ; / OPERATING SYSTEM: PC-DOS/MS-DOS
 ; / SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; / CURRENT APPLICATION DATA:
 ; / APPLICATION NUMBER: US/08/467,023
 ; / FILING DATE: June 6, 1995
 ; / CLASIFICATION: 424
 ; / PRIOR APPLICATION DATA:
 ; / APPLICATION NUMBER: 08/350,225
 ; / FILING DATE: December 6, 1994
 ; / ATTORNEY/AGENT INFORMATION:
 ; / NAME: Jane E. Remillard
 ; / REGISTRATION NUMBER: 38,872
 ; / REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 ; / TELECOMMUNICATION INFORMATION:
 ; / TELEPHONE: (617) 227-7400
 ; / TELEFAX: (617) 227-5941
 ; / INFORMATION FOR SEQ ID NO: 49:
 ; / SEQUENCE CHARACTERISTICS:
 ; / LENGTH: 20 amino acids
 ; / TYPE: amino acid
 ; / TOPOLOGY: linear
 ; / MOLECULE TYPE: peptide
 ; / FRAGMENT TYPE: internal

US-08-467-023-49

Query Match 96.5%; Score 111; DB 3; Length 20;
Best Local Similarity 90.0%; Pred. No. 1.4e-10;
Matches 18; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Db 1 PARYGLIIVHANNYDPWSI 20
Db 1 PARYGLIIVHANNYDPWSI 20

RESULT 2

US-08-467-023-258

Sequence 258, Application US/08467023

Patent No. 6050386

GENERAL INFORMATION:

APPLICANT: Griffeth, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;

APPLICANT: Powers, Steven P.

TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen

NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02454

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DO/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard

REFERENCE/DOCKET NUMBER: 38-872
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 258:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-258

Query Match 90.4%; Score 104; DB 3; Length 19;
Best Local Similarity 89.5%; Pred. No. 1.6e-09;
Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Db 2 PARYGLIIVHANNYDPWSI 20
Db 1 PARYGLIIVHANNYDPWSI 20

US-09-142-524D-62

Sequence 62, Application US/09142524D

GENERAL INFORMATION:

APPLICANT: Sone, Toshio;
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiro
APPLICANT: Kino, Kohsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

FILE REFERENCE: SPO-103

CURRENT APPLICATION NUMBER: US/09/142,524D

CURRENT FILING DATE: 1998-09-09

PRIOR APPLICATION NUMBER: PCT/JP97/00740

PRIOR FILING DATE: 1997-03-10

NUMBER OF SEQ ID NOS: 174

SEQ ID NO: 62

SOFTWARE: PatentIn version 3.1

LENGTH: 15

TYPE: PRT

ORGANISM: Cryptomeria japonica

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (1)-(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 48

US-09-142-524D-62

Query Match 72.2%; Score 83; DB 4; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.1e-06;
Matches 13; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GLIIVVANNYDPWSI 20
Db 1 GLIIVVANNYDPWSI 15

RESULT 4

US-09-142-524D-61

Sequence 61, Application US/09142524D

Patent No. 6719976

GENERAL INFORMATION:

APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiro
APPLICANT: Kino, Kohsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

FILE REFERENCE: SPO-103

CURRENT APPLICATION NUMBER: US/09/142,524D

CURRENT FILING DATE: 1998-09-09

PRIOR APPLICATION NUMBER: PCT/JP97/00740

PRIOR FILING DATE: 1997-03-10

NUMBER OF SEQ ID NOS: 174

SEQ ID NO: 61

SOFTWARE: PatentIn version 3.1

LENGTH: 15

TYPE: PRT

ORGANISM: Cryptomeria japonica

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (1)-(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 47

US-09-142-524D-61

Query Match 71.3%; Score 82; DB 4; Length 15;
Best Local Similarity 93.3%; Pred. No. 2.9e-06;
Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PRARYGLIIVVANNY 15
Db 1 PRARYGLIIVVANNY 15

```

RESULT 5
US-09-142-524D-63
Sequence 63, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Some, Toshiro
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Aki
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 63
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MIS.C_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 49
; US-09-142-524D-63

Query Match 50 4%; Score 58; DB 4; Length 15;
Best Local Similarity 90.0%; Prod. No. 0.015;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Length: 15

RESULT 6
US-08-467-023-50
Sequence 50, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffeth, Irwin J. ;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F. ;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Young, Siu-Mei H. ;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A. ;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154

Computer Readable Form:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994

RESULT 7
US-09-142-524D-60
Sequence 60, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Some, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Aki
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergies
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO 60
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MIS.C_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 46
; US-09-142-524D-60

Query Match 50 4%; Score 58; DB 4; Length 15;
Best Local Similarity 90.0%; Prod. No. 0.02;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Length: 15

RESULT 8
US-08-467-023-48
Sequence 48, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffeth, Irwin J. ;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F. ;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Young, Siu-Mei H. ;
; APPLICANT: Exley, Mark A. ;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154

Computer Readable Form:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6,
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994

```

APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 ZIP: 02454
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/350,225
 FILING DATE: December 6, 1994
 NAME/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE DOCKET NUMBER: 025-6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 48:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: peptide
 FRAGMENT TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-48

Query Match Score 53; DB 3; Length 20;
 Best Local Similarity 90.0%; Pted. No. 0.12;
 Matches 9; Conservative 1; Mismatches 0; Indels 0;
 Gaps 0;

Qy 1 PRARYGLIHW 10
 Db 11 PRARYGLIHW 20

RESULT 9
 US-08-290-448A-55
 Sequence 55, Application US/08290448A
 Patent No. 5676954
 GENERAL INFORMATION:
 APPLICANT: Rogers, Bruce
 APPLICANT: Klapper, David G.
 APPLICANT: Rafnar, Thorunn
 APPLICANT: Kuo, Mei-chang
 TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
 NUMBER OF SEQUENCES: 93
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD
 STREET: 60 State Street, suite 510
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109-1875
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

APPLICANT: Rogers, Bruce
 APPLICANT: Klapper, David G.
 APPLICANT: Rafnar, Thorunn
 APPLICANT: Kuo, Mei-chang
 TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
 NUMBER OF SEQUENCES: 93
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD
 STREET: 60 State Street, suite 510
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109-1875
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

LENGTH: 17 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-250-448A-55

Query Match 43.5%; Score 50; DB 1; Length 17;
 Best Local Similarity 61.5%; Pred. No. 0.28;
 Matches 8; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
 NUMBER OF SEQUENCES: 93

Qy 6 GLIIVANNYDPW 18
 Db 1 GFFQVNNNYDRW 13

RESULT 11
 US-08-175-069A-55
 Sequence 55, Application US/08175069A
 Patent No. 5776761
 GENERAL INFORMATION:
 APPLICANT: Rogers, Bruce
 APPLICANT: Klapper, David G.
 APPLICANT: Rafnar, Thorunn
 APPLICANT: Kuo, Mei-chang
 TITLE OF INVENTION: Methods For Treating Sensitivity To A Protein Allergen Using Peptides Which Inlude A T Cell Epitop
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD, LLP
 STREET: 28 State Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109-1875
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/461,939B
 FILING DATE:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/464,000
 FILING DATE: 05-JUN-1995
 APPLICATION NUMBER: US 08/290,448
 FILING DATE: 15-AUG-1994
 APPLICATION NUMBER: US 07/529,951
 FILING DATE: 29-MAY-1990
 APPLICATION NUMBER: US 07/325,365
 FILING DATE: 17-MAR-1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Amy E. Mandragoras
 REGISTRATION NUMBER: 36,207
 REFERENCE/DOCKET NUMBER: IMI-018GNDV
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617)227-7400
 TELEFAX: (617)742-4214
 INFORMATION FOR SEQ ID NO: 55:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-461-939B-55

RESULT 13
 US-08-464-000-55
 Sequence 55, Application US/08464000
 Patent No. 6335020
 GENERAL INFORMATION:
 APPLICANT: Rogers, Bruce
 APPLICANT: Klapper, David G.
 APPLICANT: Rafnar, Thorunn
 APPLICANT: Kuo, Mei-chang
 TITLE OF INVENTION: Allergenic Peptides from Ragweed Pollen
 NUMBER OF SEQUENCES: 93
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD, LLP

Query Match 43.5%; Score 50; DB 1; Length 17;
 Best Local Similarity 61.5%; Pred. No. 0.28;
 Matches 8; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
 NUMBER OF SEQUENCES: 93

Qy 6 GLIIVANNYDPW 18
 Db 1 GFFQVNNNYDRW 13

RESULT 12

US-08-290-448A-28

Query Match 35.2%; Score 40.5; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 7.2;
Matches 8; Conservative 2; Mismatches 5; Indels 1; Gaps 1;
Qy 1 PRARYGLTHVANNYD 16
| : | : | |
| : | : | |
Db 1 PR-RGFQVLVANNYD 15

Search completed: January 26, 2005, 16:08:28
Job time : 15.6 secs

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Result No.	Score	Query Match	Length	DB ID	Description
1	85	74.6	15	14	US-10-354-240-63
2	82	71.9	15	14	US-10-354-240-64
3	58	50.9	15	14	US-10-354-240-62
4	53	46.5	15	14	US-10-354-240-65
5	38	33.3	16	14	US-10-346-162-100
6	37	32.5	16	14	US-10-012-542-115
7	37	32.5	16	14	US-10-115-123-115
8	35	30.7	13	14	US-10-346-162-142
9	35	30.7	15	14	US-10-346-162-142
10	33	28.9	11	15	US-10-468-543-7
11	33	28.9	11	15	US-10-468-543-25
12	33	28.9	14	17	US-10-813-638-1274
13	33	28.9	15	15	US-10-182-936A-191
14	33	28.9	20	14	US-10-280-066-275
15	33	28.9	20	14	US-10-280-066-276
16	33	28.9	20	14	US-10-280-066-89
17	33	28.9	20	14	US-10-410-998-89
18	32	28.1	17	14	US-10-100-608B-5
19	32	28.1	17	14	US-10-100-608B-8
20	32	28.1	17	16	US-10-099-791E-5
21	32	28.1	17	16	US-10-099-791E-8
22	31	27.2	9	10	US-09-988-492-280
23	31	27.2	12	16	US-10-652-407-44
24	31	27.2	18	16	US-10-282-538-12
25	31	27.2	20	14	US-10-162-143-357
26	31	27.2	20	14	US-10-066-965A-1
27	31	27.2	20	14	US-10-289-695-86
28	31	27.2	20	14	US-10-289-695-86
29	31	27.2	20	14	US-10-410-998-86
30	30.5	26.8	15	15	US-10-362-70A-5
31	30.5	26.8	20	17	US-10-831-409-9
32	30	26.3	7	15	US-10-363-208-269
33	30	26.3	7	16	US-10-363-204-84
34	30	26.3	7	17	US-10-727-335-47
35	30	26.3	8	13	US-10-114-175-23
36	30	26.3	8	14	US-10-323-013-23
37	30	26.3	9	13	US-10-114-175-29
38	30	26.3	9	14	US-10-169-351-14
39	30	26.3	9	14	US-10-362-013-29
40	30	26.3	9	15	US-10-441-257-16
41	30	26.3	10	16	US-10-450-036A-96
42	30	26.3	12	16	US-10-652-151-33
43	30	26.3	14	17	US-10-813-638-1414
44	30	26.3	15	10	US-09-880-748-2941
45	30	26.3	15	14	US-10-293-418-2941

ALIGNMENTS

RESULT 1

US-10-354-240-63

Sequence 63, Application US-10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kuro, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US-10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIORITY APPLICATION NUMBER: PCT/JP97/00740

; PRIORITY FILING DATE: 1997-03-10

; PRIORITY APPLICATION NUMBER: US 09/142,524

; PRIORITY FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO: 63, LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC_FEATURE

; LOCATION: (1) - (15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 49

US-10-354-240-63

Query Match 74.6%; Score 85; DB 14; Length 15;

Best Local Similarity 93.3%; Prod. No. 5e-06;

Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ANNNDPWSIAYGSSSNPT 15

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	85	74.6	15	14	US-10-354-240-63
2	82	71.9	15	14	Sequence 63, Appl
3	58	50.9	15	14	Sequence 61, Appl
4	53	46.5	15	14	Sequence 62, Appl
5	38	33.3	16	14	Sequence 65, Appl
6	37	32.5	16	14	Sequence 100, Appl
7	37	32.5	16	14	Sequence 515, Appl
8	35	30.7	13	14	Sequence 515, Appl
9	35	30.7	15	14	Sequence 60, Appl
10	33	28.9	11	15	Sequence 7, Appl
11	33	28.9	11	15	Sequence 25, Appl
12	33	28.9	14	17	Sequence 1274, Appl
13	33	28.9	15	15	Sequence 191, Appl

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Db 1 ANNNYDPVTIVAIAGG 15
 RESULT 2
 US-10-354-240-64
 Sequence 64; Application US/10354240
 Publication No. US20030185847A1
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103D1
 CURRENT APPLICATION NUMBER: US/10/354,240
 CURRENT FILING DATE: 2003-01-29
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 PRIOR APPLICATION NUMBER: US 09/142,524
 PRIOR FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 64
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC FEATURE
 LOCATION: (1)..(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 50
 US-10-354-240-64

Query Match 6 DPWSIYAGGSSNPT 20
 Best Local Similarity 71.9%; Score 82; DB 14; Length 15;
 Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 Db 1 DPWTIYAGGSSNPT 15

Qy 6 DPWSIYAGGSSNPT 20
 Best Local Similarity 93.3%; Score 82; DB 14; Length 15;
 Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 Db 1 DPWTIYAGGSSNPT 15

RESULT 3
 US-10-354-240-62
 Sequence 62; Application US/10354240
 Publication No. US20030185847A1
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103D1
 CURRENT APPLICATION NUMBER: US/10/354,240
 CURRENT FILING DATE: 2003-01-29
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 PRIOR APPLICATION NUMBER: US 09/142,524
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 62
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC FEATURE
 LOCATION: (1)..(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 48
 US-10-354-240-62

Query Match 50.9%; Score 58; DB 14; Length 15;

Best Local Similarity 90.0%; Pred. No. 0.069;
 Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ANNNYDPWSI 10
 Db 6 ANNNYDPWTI 15

RESULT 4
 US-10-354-240-65
 Sequence 65; Application US/10354240
 Publication No. US20030185847A1
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103D1
 CURRENT APPLICATION NUMBER: US/10/354,240
 CURRENT FILING DATE: 2003-01-29
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 PRIOR APPLICATION NUMBER: US 09/142,524
 PRIOR FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 65
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC FEATURE
 LOCATION: (1)..(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 51
 US-10-354-240-65

Query Match 46.5%; Score 53; DB 14; Length 15;
 Best Local Similarity 10.0%; Pred. No. 0.4;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 YAIGGSSNPT 20
 Db * 1 YAIGGSSNPT 10

RESULT 5
 US-10-346-162-100
 Sequence 100; Application US/10346162
 Publication No. US2003024390A1
 GENERAL INFORMATION:
 APPLICANT: KARO BIO USA, INC.
 APPLICANT: FOWKES, Dana M.
 APPLICANT: BARNETT, Thomas R.
 APPLICANT: BUBRER, Benjamin
 TITLE OF INVENTION: METHOD OF IDENTIFYING CONFORMATION-SENSITIVE BINDING PEPTIDES AND
 FILE REFERENCE: PAIGE-LH
 CURRENT APPLICATION NUMBER: US/10/346,162
 CURRENT FILING DATE: 2003-01-17
 PRIOR APPLICATION NUMBER: US 09/514,865
 PRIOR FILING DATE: 2000-07-12
 NUMBER OF SEQ ID NOS: 268
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 100
 LENGTH: 16
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 NAME/KEY: MISC FEATURE
 LOCATION: (1)..(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 48
 US-10-354-240-62

Query Match

US-10-346-162-100

Query Match 33.3%; Score 38; DB 14; Length 16;
Best Local Similarity 33.3%; Pred. No. 86;
Matches 5; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
Software: PatentIn Ver. 2.0

Qy 1 ANNNYDPSSIAAGG 15
Db 2 SHNHHSPLFRLLGG 16

RESULT 6

US-10-012-542-515 ; Sequence 515, Application US/10012542
; Publication No. US20030044851A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: PZ029P1
; CURRENT APPLICATION NUMBER: US/10/012,542
; PRIOR APPLICATION NUMBER: 09/461,325
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-14
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-012-542-515

Query Match 32.5%; Score 37; DB 14; Length 16;
Best Local Similarity 32.5%; Pred. No. 1.2e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
Software: PatentIn Ver. 2.0

Qy 1 ANNNYDPWS 9
Db 5 SNGNLDPWA 13

RESULT 7

US-10-115-123-515 ; Sequence 515, Application US/10115123
; Publication No. US20030065151A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: PZ029G30AP1D2
; CURRENT APPLICATION NUMBER: US/10/115,123
; PRIOR APPLICATION NUMBER: PCT/US99/13418
; PRIOR FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: 09/089,507
; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/089,507
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,508
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,509
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,510
; PRIOR FILING DATE: 1998-06-16
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-115-123-515

Query Match 32.5%; Score 37; DB 14; Length 16;
Best Local Similarity 32.5%; Pred. No. 1.2e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
Software: PatentIn Ver. 2.0

Qy 1 ANNNYDPWS 9
Db 5 SNGNLDPWA 13

RESULT 8

US-10-30-694A-69 ; Sequence 69, Application US/10300694A
; Publication No. US20030105870A1
; GENERAL INFORMATION:
; APPLICANT: Duke University
; APPLICANT: Grinstaff, Mark W.
; APPLICANT: Kenan, Daniel J.
; APPLICANT: Walsh, Elisabeth B.
; APPLICANT: Middleton, Crystan
; TITLE OF INVENTION: INTERFACIAL BIOMATERIALS
; FILE REFERENCE: 180/143/2
; CURRENT APPLICATION NUMBER: US/10/300,694A
; CURRENT FILING DATE: 2003-05-07
; PRIOR APPLICATION NUMBER: US 60/331,843
; PRIOR FILING DATE: 2000-11-20
; NUMBER OF SEQ ID NOS: 117
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 69
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Polycarbonate-binding peptide 69
US-10-30-694A-69

Query Match 32.5%; Score 37; DB 14; Length 16;
Best Local Similarity 32.5%; Pred. No. 1.2e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
Software: PatentIn Ver. 2.0

Qy 1 ANNNYDPWS 8
Db 5 SNGNLDPWA 9

RESULT 9

US-10-346-162-142 ; Sequence 142, Application US/10346162
; Publication No. US20030224390A1
; GENERAL INFORMATION:
; APPLICANT: KARO BIO USA, INC.
; APPLICANT: FOWKES, Dana M.
; APPLICANT: BARRETT, Thomas R.
; APPLICANT: BOHRER, Benjamin
; TITLE OF INVENTION: METHOD OF IDENTIFYING CONFORMATION-SENSITIVE BINDING PEPTIDE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: PAIGE=1H
; CURRENT APPLICATION NUMBER: US/10/346,162
; CURRENT FILING DATE: 2003-01-17
; PRIOR APPLICATION NUMBER: US 09/614,865
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 09/880,688
; PRIOR FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: US 09/880,688

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/ NUMBER OF SEQ ID NOS: 268
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO: 142
/ LENGTH: 15
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ OTHER INFORMATION: synthetic
US-10-3446-162-142

Query Match 30.7%; Score 35; DB 14; Length 15;
Best Local Similarity 45.5%; Pred. No. 2.3e+02;
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
Qy 7 PWSIYAIIGGSS 17
Db 4 PWLMHVLGGGS 14

RESULT 10
US-10-468-543-7
/ Sequence 7, Application US/10468543
/ Publication No. US20040091938A1
/ GENERAL INFORMATION:
/ APPLICANT: Irimura, Tatsuro
/ APPLICANT: Matsumoto, Mariko
/ APPLICANT: Yim, Mijung
/ APPLICANT: Ono, Takashi
/ TITLE OF INVENTION: Lectins for Analyzing Sugar Chains and Method of Using the Same
/ FILE REFERENCE: 03-786
/ CURRENT APPLICATION NUMBER: US/10/467,543
/ CURRENT FILING DATE: 2003-08-20
/ PRIOR APPLICATION NUMBER: JP 2001-044221
/ PRIOR FILING DATE: 2001-02-20
/ NUMBER OF SEQ ID NOS: 95
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO: 7
/ LENGTH: 11
/ TYPE: PRT
/ ORGANISM: Maackia amurensis
US-10-468-543-7

Query Match 28.9%; Score 33; DB 15; Length 11;
Best Local Similarity 66.7%; Pred. No. 3.4e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 3 NNYDPW 8
Db 6 HSTDWPW 11

RESULT 11
US-10-468-543-25
/ Sequence 25, Application US/10468543
/ Publication No. US20040091938A1
/ GENERAL INFORMATION:
/ APPLICANT: Irimura, Tatsuro
/ APPLICANT: Matsumoto, Mariko
/ APPLICANT: Yim, Mijung
/ APPLICANT: Ono, Takashi
/ TITLE OF INVENTION: Lectins for Analyzing Sugar Chains and Method of Using the Same
/ FILE REFERENCE: 03-786
/ CURRENT APPLICATION NUMBER: US/10/468,543
/ CURRENT FILING DATE: 2003-08-20
/ PRIOR APPLICATION NUMBER: JP 2001-044221
/ PRIOR FILING DATE: 2001-02-20
/ NUMBER OF SEQ ID NOS: 95
/ SOFTWARE: PatentIn version 3.1
/ LENGTH: 11
/ TYPE: PRT
/ ORGANISM: Maackia amurensis
US-10-468-543-25

Query Match 28.9%; Score 33; DB 15; Length 11;
Best Local Similarity 66.7%; Pred. No. 3.4e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 3 NNYDPW 8
Db 6 HSTDWPW 11

RESULT 12
US-10-813-638-1274
/ Sequence 1274, Application US/10813638
/ Publication No. US2004025026A1
/ GENERAL INFORMATION:
/ APPLICANT: Shinketsu, Richard A.
/ APPLICANT: Leach, Martin D.
/ TITLE OF INVENTION: NUCLEIC ACIDS CONTAINING SINGLE NUCLEIC ACID POLYMORPHISMS AND METHODS THEREOF
/ FILE REFERENCE: 15966-599
/ CURRENT APPLICATION NUMBER: US/10/813,638
/ CURRENT FILING DATE: 2004-03-29
/ PRIOR APPLICATION NUMBER: 60/163,783
/ PRIOR FILING DATE: 1999-11-24
/ NUMBER OF SEQ ID NOS: 1468
/ SOFTWARE: Curagen Patent Formatter Version 0.9
/ SEQ ID NO: 1274
/ LENGTH: 14
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: VARIANT
/ LOCATION: (7) . . . (0)
/ OTHER INFORMATION: cSNP translation
US-10-813-638-1274

Query Match 28.9%; Score 33; DB 17; Length 14;
Best Local Similarity 57.1%; Pred. No. 4.4e+02;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
Qy 4 NYDPKSI 10
Db 6 SYNPKPSL 12

RESULT 13
US-10-182-936A-191
/ Sequence 191, Application US/10182936A
/ Publication No. US20040038860A1
/ GENERAL INFORMATION:
/ APPLICANT: Vaworsky, Paul
/ APPLICANT: Allen, Kristina M.
/ APPLICANT: Anisowicz, Anthony
/ APPLICANT: Bhat, Rheeem
/ APPLICANT: Damagnez, Veronique
/ APPLICANT: Robinson, John
/ APPLICANT: Yaworsky, Paul
/ TITLE OF INVENTION: Reagents and Method for Modulating DKK-Mediated Interactions
/ FILE REFERENCE: 032796-143
/ CURRENT APPLICATION NUMBER: US/10/182,936A
/ PRIOR APPLICATION NUMBER: PCT/US02/15982
/ CURRENT FILING DATE: 2002-08-02
/ PRIOR FILING DATE: 2002-05-17
/ PRIOR APPLICATION NUMBER: US 60/291,311
/ PRIOR FILING DATE: 2001-05-17
/ PRIOR APPLICATION NUMBER: US 60/353,058
/ PRIOR FILING DATE: 2002-02-01
/ PRIOR APPLICATION NUMBER: US 60/361,293
/ PRIOR FILING DATE: 2002-03-04
/ NUMBER OF SEQ ID NOS: 216
/ SOFTWARE: FastSEQ for Windows Version 4.0
/ SEQ ID NO: 191
/ LENGTH: 15
/ TYPE: PRT
/ ORGANISM: Maackia amurensis
US-10-182-936A-191

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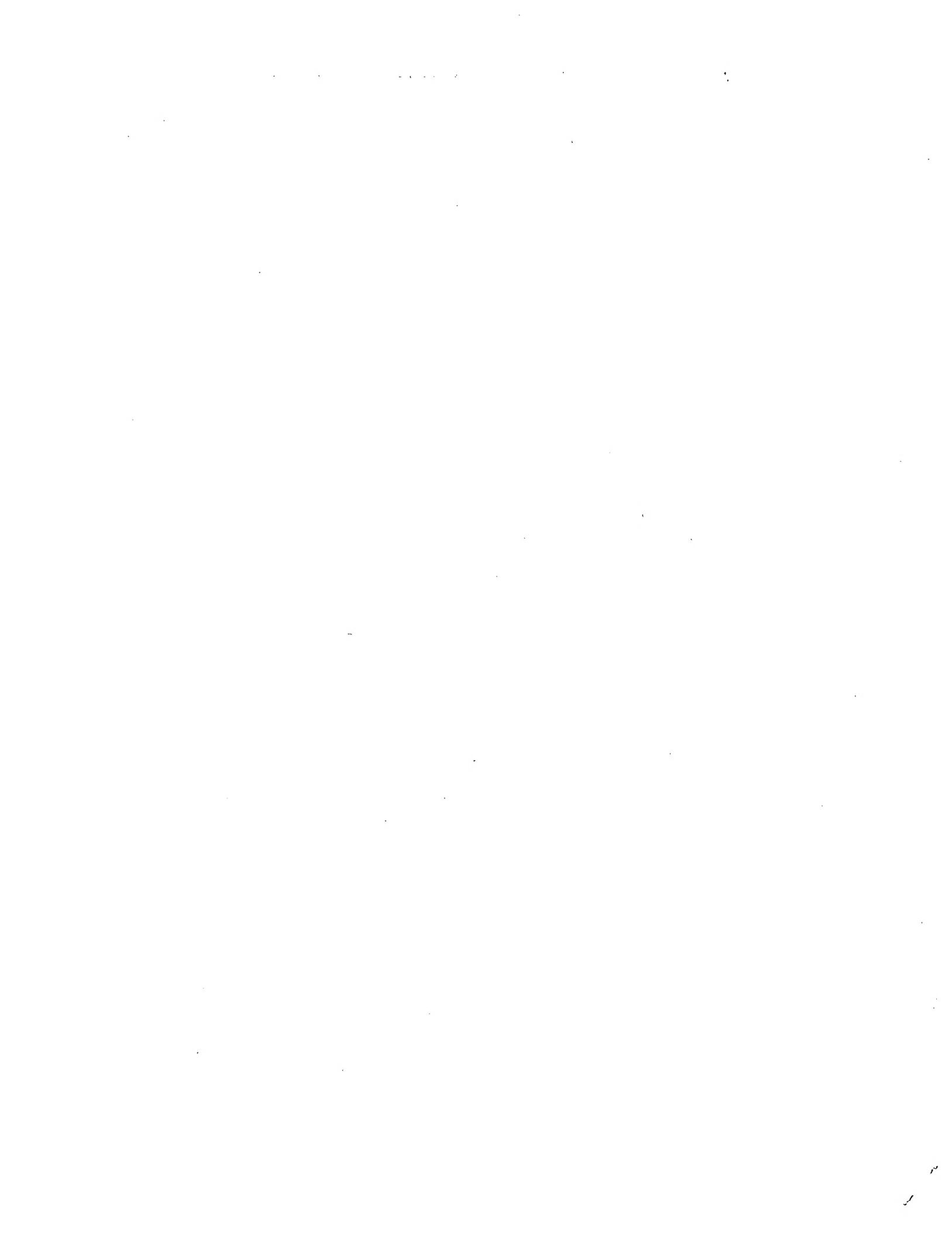
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; ORGANISM: Homo sapiens
; US-10-182-936A-191
Query Match 28.9%; Score 33; DB 15; Length 15;
Best Local Similarity 50.0%; Pred. No. 4.7e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0;
Gaps 0;
Qy 5 YDPWSTYAI 14
Db 6 WEAWSCYACG 15

RESULT 14
US-10-280-066-275
; Sequence 275, Application US/10280066
; Publication No. US20030180718A1
; GENERAL INFORMATION:
; APPLICANT: Pillutla, Renuka C.
; APPLICANT: Brissette, Renee
; APPLICANT: Spruyt, Michael
; APPLICANT: Dedova, Olga
; APPLICANT: Blume, Arthur J.
; APPLICANT: Prendergast, John
; APPLICANT: Goldstein, Neil I.
; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BIND
; FILE REFERENCE: 2598-4009US1
; CURRENT APPLICATION NUMBER: US/10/280,066
; CURRENT FILING DATE: 2002-10-24
; PRIOR APPLICATION NUMBER: 60/345,471
; PRIOR FILING DATE: 2001-10-24
; NUMBER OF SEQ ID NOS: 537
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 275
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Escherichia coli
; FEATURE:
; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: 0700902-Hras-20M-PP-BC-B7
US-10-280-066-276
; Sequence 276, Application US/10280066
; Publication No. US20030180718A1
; GENERAL INFORMATION:
; APPLICANT: Pillutla, Renuka C.
; APPLICANT: Brissette, Renee
; APPLICANT: Spruyt, Michael
; APPLICANT: Dedova, Olga
; APPLICANT: Blume, Arthur J.
; APPLICANT: Prendergast, John
; APPLICANT: Goldstein, Neil I.
; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BIND
; FILE REFERENCE: 2598-4009US1
; CURRENT APPLICATION NUMBER: US/10/280,066
; CURRENT FILING DATE: 2002-10-24
; PRIOR APPLICATION NUMBER: 60/345,471
; PRIOR FILING DATE: 2001-10-24
; NUMBER OF SEQ ID NOS: 537
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 276
; LENGTH: 20
; TYPE: PRT

RESULT 15
US-10-280-066-276
; Sequence 276, Application US/10280066
; Publication No. US20030180718A1
; GENERAL INFORMATION:
; APPLICANT: Pillutla, Renuka C.
; APPLICANT: Brissette, Renee
; APPLICANT: Spruyt, Michael
; APPLICANT: Dedova, Olga
; APPLICANT: Blume, Arthur J.
; APPLICANT: Prendergast, John
; APPLICANT: Goldstein, Neil I.
; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BIND
; FILE REFERENCE: 2598-4009US1
; CURRENT APPLICATION NUMBER: US/10/280,066
; CURRENT FILING DATE: 2002-10-24
; PRIOR APPLICATION NUMBER: 60/345,471
; PRIOR FILING DATE: 2001-10-24
; NUMBER OF SEQ ID NOS: 537
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 276
; LENGTH: 20
; TYPE: PRT

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OM protein - protein search, using sw model

Run on: January 26, 2005, 15:54:02 ; Search time 14.6 Seconds
(without alignments)
90.847 Million cell updates/sec

Title: US-09-202-464-27
Perfect score: 114
Sequence: 1 ANNYYDFWVIAIGGSSNPT 20

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GapOp 10.0 , GapExt 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0
Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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4: /cgn2_6/ptodata/1/iaa/6B-COMB.pep:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the total score distribution, and is derived by analysis of the total score distribution.

SUMMARIES

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1	111	97.4	20	3	US-08-467-023-50	Sequence 50, App1
2	85	74.6	15	4	US-09-142-514D-63	Sequence 63, App1
3	82	71.9	15	4	US-09-142-524D-64	Sequence 64, App1
4	58	50.9	15	4	US-09-142-524D-62	Sequence 62, App1
5	58	50.9	19	3	US-08-467-023-258	Sequence 258, App1
6	58	50.9	15	4	US-09-142-524D-65	Sequence 49, App1
7	53	46.5	15	4	US-08-467-023-49	Sequence 65, App1
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9	50	43.9	17	1	US-08-290-448A-85	Sequence 55, App1
10	50	43.9	17	1	US-08-290-448A-55	Sequence 55, App1
11	50	43.9	17	1	US-08-175-069A-55	Sequence 55, App1
12	50	43.9	17	3	US-08-461-339B-55	Sequence 55, App1
13	50	43.9	17	3	US-08-464-001-55	Sequence 55, App1
14	42	36.8	17	4	US-09-379-665D-10	Sequence 10, App1
15	38	33.3	20	4	US-08-861-53A-10	Sequence 10, App1
16	37	32.5	16	4	US-09-461-325-515	Sequence 515, App1
17	37	32.5	16	4	US-10-012-542-515	Sequence 515, App1
18	37	32.5	16	4	US-10-115-123-515	Sequence 515, App1
19	35	30.7	15	4	US-09-827A-101	Sequence 109, App1
20	35	30.7	15	4	US-09-069-837A-109	Sequence 98, App1
21	34	29.8	15	4	US-09-069-827A-98	Sequence 12, App1
22	33	28.9	20	4	US-08-861-153A-12	Sequence 103, App1
23	32	28.1	15	4	US-09-069-837A-103	Sequence 58, App1
24	31	27.2	10	4	US-09-620-091-58	Sequence 8, App1
25	31	27.2	16	4	US-09-620-091-81	Sequence 1, App1
26	31	27.2	20	1	US-08-142-449B-1	Sequence 12, App1
27	31	27.2	20	3	US-08-504-538A-12	Sequence 16, App1

ALIGNMENTS

RESULT 1
US-08-467-023-50
; Sequence 50, Application US/08467023
; Patent No. 6090386

; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Bollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Guo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.

; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; Tissue Of Invention: Japanese Cedar Pollen

; NUMBER OF SEQUENCES: 261

; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02454

; COMPUTER READABLE FORM
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,972
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
; FRAGMENT TYPE: Internal

US-08-467-023-50
 Query Match 97.4%; Score 111; DB 3; Length 20;
 Best Local Similarity 95.0%; Pred. No. 2.5e-10;
 Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 ANNYDPWTYAIGGSNPT 20
 Db 1 ANNYDPWTYAIGGSNPT 20

RESULT 2
 US-09-142-524D-63
 ; Sequence 63, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Daikiri, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 63
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC FEATURE
 ; LOCATION: (1) .-(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 49
 US-09-142-524D-63

Query Match 74.6%; Score 85; DB 4; Length 15;
 Best Local Similarity 93.3%; Pred. No. 1.6e-06;
 Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 ANNYDPWTYAIGG 15
 Db 1 ANNYDPWTYAIGG 15

RESULT 3
 US-09-142-524D-64
 ; Sequence 64, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Daikiri, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-19
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 64
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC FEATURE
 ; LOCATION: (1) .-(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 50
 US-09-142-524D-64
 ; Sequence 64, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Daikiri, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 62
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC FEATURE
 ; LOCATION: (1) .-(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 48
 US-09-142-524D-62

Query Match 50.9%; Score 58; DB 4; Length 15;
 Best Local Similarity 90.0%; Pred. No. 0.019;
 Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 ANNYDPW 10
 Db 6 ANNYDPWTI 15

RESULT 4
 US-09-142-524D-62
 ; Sequence 62, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Daikiri, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 62
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC FEATURE
 ; LOCATION: (1) .-(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 50
 US-09-142-524D-62

Query Match 50.9%; Score 58; DB 4; Length 15;
 Best Local Similarity 90.0%; Pred. No. 0.019;
 Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 ANNYDPW 10
 Db 6 ANNYDPWTI 15

RESULT 5
 US-09-142-524D-62
 ; Sequence 62, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffith, Irwin J.;
 ; APPLICANT: Pollock, Joanne;
 ; APPLICANT: Bond, Julian F.;
 ; APPLICANT: Garman, Richard D;
 ; APPLICANT: Kuo, Mei-Chang;
 ; APPLICANT: Young, Siu-mei H.;
 ; APPLICANT: Brauer, Andrew;
 ; APPLICANT: Exley, Mark A.;
 ; APPLICANT: Powers, Steven P.;
 ; TITLE OF INVENTION: Allergenic Proteins And Peptides From
 ; TITLE OF INVENTION: Japanese Cedar Pollen
 ; NUMBER OF SEQUENCES: 261
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 ; STREET: 610 Lincoln St
 ; CITY: Waltham
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02154

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025,6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 258:
; LENGTH: 19 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 amino acids
; FRAGMENT TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-258

Query Match      50.9%; Score 58; DB 3; Length 19;
Best Local Similarity 90.0%; Pred. No. 0.025%; DB 3; Length 20;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy      1 ANNNYDPWST 10
Db      10 ANNNYDPWSTI 19

RESULT 6
US-08-467-023-49
Sequence 49, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J. ;
APPLICANT: Pollock, Joanne ;
APPLICANT: Bond, Julian F. ;
APPLICANT: Garman, Richard D. ;
APPLICANT: Kuo, Mei-Chang ;
APPLICANT: Young, Siu-mei H. ;
APPLICANT: Brauer, Andrew ;
APPLICANT: Exley, Mark A. ;
APPLICANT: Powers, Steven P. ;
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 251
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994

; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025,6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: Internal
US-08-467-023-49

Query Match      50.9%; Score 58; DB 3; Length 20;
Best Local Similarity 90.0%; Pred. No. 0.027%; DB 3; Length 20;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy      1 ANNNYDPWST 10
Db      11 ANNNYDPWSTI 20

RESULT 7
US-09-142-524D-65
Sequence 65, Application US/09142324D
Patent No. 6715976
GENERAL INFORMATION:
APPLICANT: Sone, Toshio ;
APPLICANT: Kume, Akinori ;
APPLICANT: Dairiki, Kazuo ;
APPLICANT: Iwama, Akiko ;
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-05-09
PRIORITY APPLICATION NUMBER: PCT/JP97/00740
PATENT NO. 6715976
PRIORITY FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 65
LENGTH: 15
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1)-(15)
OTHER INFORMATION: Cry1 peptide, Figure 1, Row 51
US-09-142-524D-65

Query Match      46.5%; Score 53; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.11%; DB 4; Length 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy      11 YAIGGSSNPT 20
Db      1 YAIGGSSNPT 10

RESULT 8
US-08-467-023-51
Sequence 51, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J. ;
APPLICANT: Pollock, Joanne ;
APPLICANT: Bond, Julian F. ;
APPLICANT: Garman, Richard D. ;
APPLICANT: Kuo, Mei-Chang ;
APPLICANT: Young, Siu-mei H. ;
APPLICANT: Brauer, Andrew ;
APPLICANT: Exley, Mark A. ;
APPLICANT: Powers, Steven P. ;
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 251
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994

```

APPLICANT: Brauer, Andrew
 APPLICANT: Exley, Mark A.
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 NUMBER OF INVENTION: Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St.
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02154
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USSD2 (IMI-028CPD2)
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 51:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: Peptide
 FRAGMENT TYPE: Internal
 US-08-467-023-51

Query Match Score 53; DB 3; Length 20;
 Best Local Similarity 100.0%; Pred. No. 0.15;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 YATGGSSNPT 20
 Db 1 YATGGSSNPT 10

RESULT 9
 US-08-290-448A-55
 Sequence 55, Application US/08290448A
 Patent No. 567654
 GENERAL INFORMATION:
 APPLICANT: Rogers, Bruce
 APPLICANT: Klapper, David G.
 APPLICANT: Rafnar, Thorunn
 APPLICANT: Kuo, Mei-chang
 TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
 NUMBER OF SEQUENCES: 93
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD
 STREET: 60 State Street, suite 510
 CITY: Boston
 STATE: Massachusetts
 ZIP: 02109-1875
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

APPLICANT: Rogers, Bruce
 APPLICANT: Klapper, David G.
 APPLICANT: Rafnar, Thorunn
 APPLICANT: Kuo, Mei-chang
 TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
 NUMBER OF SEQUENCES: 93
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD
 STREET: 60 State Street, suite 510
 CITY: Boston
 STATE: Massachusetts
 ZIP: 02109-1875
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

LENGTH: 17 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-290-448A-55

Query Match 43.9%; Score 50; DB 1; Length 17;
 Best Local Similarity 72.7%; Pred. No. 0.36%;
 Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 NNNNDPWSIYA 12
 Db 7 NNNYDRWGTYA 17

RESULT 11
 US-08-175-069A-55
 Sequence 55, Application US/08175069A
 Patent No. 5776761

GENERAL INFORMATION:
 APPLICANT: Rogers, Bruce
 APPLICANT: Klapper, David G.
 APPLICANT: Rafnar, Thorunn
 APPLICANT: Kuo, Mei-chang
 TITLE OF INVENTION: Methods For Treating Sensitivity To A Protein Allergen Using Peptides Which Include A T Cell Epitope
 NUMBER OF SEQUENCES: 93
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD, LLP
 STREET: 28 State Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109-1875

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/461,939B
 FILING DATE:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/464,000
 FILING DATE: 05-JUN-1995
 APPLICATION NUMBER: US/08/290,448
 FILING DATE: 15-AUG-1994
 APPLICATION NUMBER: US 07/529,951
 FILING DATE: 29-MAY-1990
 APPLICATION NUMBER: US 07/325,365
 FILING DATE: 17-MAR-1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Amy E. Mandragoras
 SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/175,069A
 FILING DATE: December 29, 1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/529,951
 FILING DATE: May 29, 1990
 APPLICATION NUMBER: US 07/325,365
 FILING DATE: March 17, 1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Amy E. Mandragoras
 REGISTRATION NUMBER: 36,207
 REFERENCE/DOCKET NUMBER: IMI-018DV
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617)227-7400
 TELEFAX: (617)227-5941
 INFORMATION FOR SEQ ID NO: 55:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-175-069A-55

Query Match 43.9%; Score 50; DB 1; Length 17;
 Best Local Similarity 72.7%; Pred. No. 0.36%;
 Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 NNNNDPWSIYA 12
 Db 7 NNNYDRWGTYA 17

RESULT 12

US-08-461-939B-55
 Sequence 55, Application US/08461939B
 Patent No. 6335019
 GENERAL INFORMATION:
 APPLICANT: Rogers, Bruce
 APPLICANT: Klapper, David G.
 APPLICANT: Rafnar, Thorunn
 APPLICANT: Kuo, Mei-chang
 TITLE OF INVENTION: Methods For Treating Sensitivity To A Protein Allergen Using Peptides Which Include A T Cell Epitope
 NUMBER OF SEQUENCES: 93
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD, LLP
 STREET: 28 State Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109-1875

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/461,939B
 FILING DATE:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/464,000
 FILING DATE: 05-JUN-1995
 APPLICATION NUMBER: US/08/290,448
 FILING DATE: 15-AUG-1994
 APPLICATION NUMBER: US 07/529,951
 FILING DATE: 29-MAY-1990
 APPLICATION NUMBER: US 07/325,365
 FILING DATE: 17-MAR-1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Amy E. Mandragoras
 SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/175,069A
 FILING DATE: December 29, 1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/529,951
 FILING DATE: May 29, 1990
 APPLICATION NUMBER: US 07/325,365
 FILING DATE: March 17, 1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Amy E. Mandragoras
 REGISTRATION NUMBER: 36,207
 REFERENCE/DOCKET NUMBER: IMI-018DV
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617)227-7400
 TELEFAX: (617)227-5941
 INFORMATION FOR SEQ ID NO: 55:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-461-939B-55

Query Match 43.9%; Score 50; DB 1; Length 17;
 Best Local Similarity 72.7%; Pred. No. 0.36%;
 Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 NNNNDPWSIYA 12
 Db 7 NNNYDRWGTYA 17

RESULT 13

US-08-44-000-55
 Sequence 55, Application US/08464000
 Patent No. 6335020
 GENERAL INFORMATION:
 APPLICANT: Rogers, Bruce
 APPLICANT: Klapper, David G.
 APPLICANT: Rafnar, Thorunn
 APPLICANT: Kuo, Mei-chang
 TITLE OF INVENTION: Allergenic Peptides From Ragweed Pollen
 NUMBER OF SEQUENCES: 93
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD, LLP

STREET: 60 State Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109-1875
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/464,000
 FILING DATE: 05-JUN-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/290,448
 FILING DATE: 15-AUG-1994
 APPLICATION NUMBER: US/07/529,951
 FILING DATE: 29-MAY-1990
 APPLICATION NUMBER: US/07/325,365
 FILING DATE: 17-MAR-1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Amy E. Mandelgours
 REFERENCE/DOCKET NUMBER: 36-207
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617)227-7400
 TELEFAX: (617)227-5941
 INFORMATION FOR SEQ ID NO: 55:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: Peptide
 FRAGMENT TYPE: Internal
 US-08-464-000-55

Query Match 43.9%; Score 50; DB 3; Length 17;
 Best Local Similarity 72.7%; Pred. No. 0.36;
 Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 NNNYDPWISYA 12
 Db 7 NNNYDRWISYA 17

RESULT 14
 US-09-379-665D-10
 Sequence 10, Application US/09379665D
 Patent No. 6509184
 GENERAL INFORMATION:
 APPLICANT: National Renewable Energy Laboratory
 TITLE OF INVENTION: ALKALINE TOLERANT DEXTRANASE FROM STREETOMYCES ANULATUS
 FILE REFERENCE: NREL 98-37
 CURRENT APPLICATION NUMBER: US/09/379,665D
 CURRENT FILING DATE: 1999-08-24
 NUMBER OF SEQ ID NOS: 12
 SOFTWARE: Patentin version 3.1
 SEQ ID NO 10
 LENGTH: 17
 TYPE: PRT
 ORGANISM: DEX 1
 US-09-379-665D-10

Query Match 36.8%; Score 42; DB 4; Length 17;
 Best Local Similarity 37.5%; Pred. No. 5.9;
 Matches 6; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Qy 4 NYDPWISIAGGSSNP 19
 Db 1 NWDNWNAAGPGGNDDP 16


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; LOCATION: (1) .. (15)
; OTHER INFORMATION: cryj2 peptide, Figure 2, Row 34
US-10-354-240-117

Query Match 32.7%; Score 33; DB 14; Length 15;
Best Local Similarity 70.0%; Pred. No. 2.1e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Software: PatentIn version 3.1
SEQ ID NO 60
LENGTH: 15
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE: OTHER INFORMATION: Synthesized Polypeptide.
US-10-323-412-60

RESULT 6
US-09-966-459A-60
Sequence 60, Application US/09966459A
; Publication No. US20030022237A1
; GENERAL INFORMATION:
; APPLICANT: FEDER, J. N.
; APPLICANT: MINTIER, G.
; APPLICANT: RAMANATHAN, C. S.
; APPLICANT: HAWKEN, D. R.
; APPLICANT: CACACE, A.
; APPLICANT: BARBER, L.
; APPLICANT: KORNACKER, M. G.
; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBMY4,
; EXPRESSED HIGHLY IN PROSTATE, COLON, AND LUNG
; FILE REFERENCE: D0039NP
; CURRENT APPLICATION NUMBER: US/09/966,459A
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: D00235,833
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/261,776
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: 60/305,351
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: 60/313,202
; PRIOR FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 60
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Polypeptide
US-09-966-459A-60

RESULT 7
US-10-323-412-60
Sequence 60, Application US/10323412
; Publication No. US20040121330A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBMY4, AND METHODS OF
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: D0039A CIP
; CURRENT APPLICATION NUMBER: US/10/323,412
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: U.S. 09/964,459
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: U.S. 60/235,833
; PRIOR FILING DATE: 2000-09-27

Query Match 31.7%; Score 32; DB 10; Length 15;
Best Local Similarity 54.5%; Pred. No. 3e+02; Mismatches 1; Indels 4; Gaps 0;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
Software: PatentIn version 3.1
SEQ ID NO 60
LENGTH: 15
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE: OTHER INFORMATION: Synthesized Polypeptide.
US-10-323-412-60

RESULT 8
US-10-172-425B-31
Sequence 31, Application US/10172425B
; Publication No. US20030147908A1
; GENERAL INFORMATION:
; APPLICANT: Kaempfer, Raymond
; APPLICANT: Arcad, Gila
; TITLE OF INVENTION: BROAD SPECTRUM ANTAGONISTS AND VACCINES
; DIRECTED AGAINST PYROGENIC EXOTOXINS
; FILE REFERENCE: A313167-PCT-US-A-A 066031.0164
; CURRENT APPLICATION NUMBER: US/10/172,425B
; CURRENT FILING DATE: 2002-06-13
; PRIOR APPLICATION NUMBER: 09/150,947
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: PCT/IL97/00438
; PRIOR FILING DATE: 1997-12-30
; PRIOR APPLICATION NUMBER: ISRAEL 119938
; PRIOR FILING DATE: 1996-12-30
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 31
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Streptococcus pyogenes
US-10-172-425B-31

RESULT 9
US-10-412-422-67
Sequence 67, Application US/10432422
; Publication No. US20040076981A1
; GENERAL INFORMATION:
; APPLICANT: Sygenta Participations AG
; APPLICANT: Cornell Research Foundation, Inc.
; APPLICANT: Yoder, Olen
; APPLICANT: Turgeon, Barbara G.
; APPLICANT: Lu, Shen-wen
; TITLE OF INVENTION: Functional Iron Reductase Gene
; FILE REFERENCE: 1360011W01
; CURRENT APPLICATION NUMBER: US/10/432,422

Query Match 30.7%; Score 31; DB 14; Length 14;
Best Local Similarity 85.7%; Pred. No. 4e+02; Mismatches 1; Indels 0; Gaps 0;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Software: PatentIn version 3.1
SEQ ID NO 20
LENGTH: 14
TYPE: PRT
ORGANISM: Streptococcus pyogenes
US-10-412-422-67

```

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; CURRENT FILING DATE: 2003-05-21
; PRIOR APPLICATION NUMBER: US 60/252,732
; PRIOR FILING DATE: 2000-11-22
; PRIOR APPLICATION NUMBER: US 60/252,649
; PRIOR FILING DATE: 2000-11-22
; NUMBER OF SEQ ID NOS: 210
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 67
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Fusarium scirpi
US-10-432-422-67

Query Match 30.7%; Score 31; DB 15; Length 15;
Best Local Similarity 40.0%; Pred. No. 4.4e+02; Indels 0; Gaps 0;
Matches 6; Conservative 4; Mismatches 5; Indels 0; Gaps 0;
Qy 1 ILSEGNSTAPNDSK 15
Db 1 VLRGAGHFLIDPSD 15
RESULT 1.2
US-10-632-706-149
; Sequence 149, Application US/10632706
; Publication No. US20040175385A1
; GENERAL INFORMATION:
; APPLICANT: MARKS, JAMES D.
; ATTORNEY OR AGENT: AMERSDORFER, PETER
; TITLE OF INVENTION: THERAPEUTIC MONOClonAL ANTIBODIES THAT NEUTRALIZE BOTULINUM
; FILE REFERENCE: 407T-895120US
; CURRENT APPLICATION NUMBER: US/10/632,706
; CURRENT FILING DATE: 2003-08-01
; PRIOR APPLICATION NUMBER: US 60/400,721
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 278
; SEQ ID NO: 149
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: single chain antibody fragment
US-10-632-706-149

Query Match 30.7%; Score 31; DB 16; Length 17;
Best Local Similarity 46.7%; Pred. No. 5e+02; Indels 0; Gaps 0;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
Qy 2 LSEGNSTAPNDSK 16
Db 2 ISDGGSYYYPDSVK 16
RESULT 1.3
US-10-632-706-153
; Sequence 153, Application US/10632706
; Publication No. US20040175385A1
; GENERAL INFORMATION:
; APPLICANT: MARKS, JAMES D.
; ATTORNEY OR AGENT: AMERSDORFER, PETER
; TITLE OF INVENTION: THERAPEUTIC MONOClonAL ANTIBODIES THAT NEUTRALIZE BOTULINUM
; FILE REFERENCE: 407T-895120US
; CURRENT APPLICATION NUMBER: US/10/632,706
; CURRENT FILING DATE: 2003-08-01
; PRIOR APPLICATION NUMBER: US 60/400,721
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: US 09/144,806
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 278
; SEQ ID NO: 153
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: single chain antibody fragment
US-10-632-706-153

Query Match 30.7%; Score 31; DB 16; Length 17;
Best Local Similarity 46.7%; Pred. No. 5e+02; Indels 0; Gaps 0;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
Qy 2 LSEGNSTAPNDSK 16
Db 2 ISDGGSYYYPDSVK 16
RESULT 1.4
US-10-632-706-155
; Sequence 155, Application US/10632706
; Publication No. US20040175385A1
; GENERAL INFORMATION:
; APPLICANT: MARKS, JAMES D.
; ATTORNEY OR AGENT: AMERSDORFER, PETER
; TITLE OF INVENTION: THERAPEUTIC MONOClonAL ANTIBODIES THAT NEUTRALIZE BOTULINUM
; FILE REFERENCE: 407T-895120US
; CURRENT APPLICATION NUMBER: US/10/632,706
; CURRENT FILING DATE: 2003-08-01
; PRIOR APPLICATION NUMBER: US 60/400,721
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: US 09/144,806
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 278
; SEQ ID NO: 155
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: single chain antibody fragment
US-10-632-706-155

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Result No.	Score	Query Match	Length	DB ID	Description
1	85	84.2	20	3 US-09-467-023-52	Sequence 52, Appl
2	67	66.3	15	4 US-09-142-524D-67	Sequence 67, Appl
3	62	61.4	15	4 US-09-142-524D-68	Sequence 68, Appl
4	48	47.5	15	4 US-09-142-524D-66	Sequence 66, Appl
5	48	47.5	20	3 US-08-467-023-51	Sequence 51, Appl
6	37	36.6	15	4 US-09-142-524D-69	Sequence 69, Appl
7	37	36.6	20	3 US-08-467-023-53	Sequence 53, Appl
8	35	34.7	19	3 US-09-014-416-33	Sequence 33, Appl
9	34	33.7	16	4 US-09-048-573-12	Sequence 12, Appl
10	34	33.7	19	3 US-09-014-416-29	Sequence 29, Appl
11	34	33.7	19	3 US-09-014-416-31	Sequence 31, Appl
12	34	33.7	19	3 US-09-014-416-35	Sequence 35, Appl
13	33	32.7	15	4 US-09-142-524D-117	Sequence 117, Appl
14	31	30.7	12	1 US-07-789-184-170	Sequence 170, Appl
15	31	30.7	12	1 US-08-475-263-170	Sequence 170, Appl
16	31	30.7	12	1 US-08-485-886-170	Sequence 170, Appl
17	31	30.7	12	2 US-08-477-362-170	Sequence 170, Appl
18	31	30.7	12	2 US-08-477-134-170	Sequence 170, Appl
19	31	30.7	12	3 US-08-473-489A-170	Sequence 170, Appl
20	31	30.7	12	3 US-08-485-695-170	Sequence 170, Appl
21	31	30.7	12	3 US-08-018-760-170	Sequence 170, Appl
22	31	30.7	17	2 US-08-295-643-15	Sequence 15, Appl
23	30	29.7	18	3 US-08-804-439A-113	Sequence 113, Appl
24	30	29.7	19	3 US-09-014-116-39	Sequence 39, Appl
25	29	28.7	12	2 US-08-475-844-7	Sequence 7, Appl
26	29	28.7	12	5 PCT-US95-08429-7	Sequence 7, Appl
27	29	28.7	15	3 US-09-133-341-8	Sequence 8, Appl

US-08-467-023-52

Query Match 84.2%; Score 85; DB 3; Length 20;
Best Local Similarity 85.0%; Pred. No. 2.9e-07;
Matches 17; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
Qy 1 ILSEGNSFTAPNDSDKKEVT 20
Db 1 ILSEGNSFTAPNESYKQVT 20

RESULT 2
US-09-142-524D-67
; Sequence 67, Application US/09142524D
; Patent No. 6713976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 67
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 53
US-09-142-524D-67

Query Match 66.3%; Score 67; DB 4; Length 15;
Best Local Similarity 92.9%; Pred. No. 0.00017;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ILSEGNSFTAPNDS 14
Db 1 ILSEGNSFTAPNES 14

RESULT 3
US-09-142-524D-68
; Sequence 68, Application US/09142524D
; Patent No. 6713976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 68
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)

RESULT 4
US-09-142-524D-66
; Sequence 66, Application US/09142524D
; Patent No. 6713976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 66
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 52
US-09-142-524D-66

Query Match 47.5%; Score 48; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.21;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ILSEGNSFTA 10
Db 6 ILSEGNSFTA 15

RESULT 5
US-09-142-524D-51
; Sequence 51, Application US/08467023
; Patent No. 6030386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Richard D.;
; APPLICANT: Garman, Richard F.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Young, Siu-Mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.;
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154

COMPUTER READABLE FORM:
 COMPUTER: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 51:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08/467-023-51

Query Match Score 48; DB 3; Length 20;
 Best Local Similarity 100.0%; Pred. No. 0.3%;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ILSEGNSTFA 10
 Db 11 ILSEGNSTFA 20

RESULT 6
 US-09-142-524D-69
 Sequence 69, Application US/09142524D
 PATENT NO. 6719916
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103
 CURRENT APPLICATION NUMBER: US/09/142,524D
 CURRENT FILING DATE: 1998-09-09
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 69
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC FEATURE
 LOCATION: (1)..(15)
 OTHER INFORMATION: Cry1 peptide, Figure 1, Row 55
 US-09-142-524D-69

Query Match Score 37; DB 4; Length 15;
 Best Local Similarity 70.0%; Pred. No. 13;
 Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 11 PNDSDKKVEV 20
 Db 1 PNESYKKQVT 10

RESULT 7
 US-08-467-023-53
 Sequence 53, Application US/08467023
 PATENT NO. 6090386
 GENERAL INFORMATION:
 APPLICANT: Griffith, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D.;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Yeung, Siu-mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Eley, Mark A.;
 APPLICANT: Powers, Steven P.;
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02454
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 53:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08/467-023-53

Query Match Score 36.6%; DB 3; Length 20;
 Best Local Similarity 70.0%; Pred. No. 18;
 Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 11 PNDSDKKVEV 20
 Db 1 PNESYKKQVT 10

RESULT 8
 US-09-014-416-33
 Sequence 33, Application US/09014416
 PATENT NO. 6153421
 GENERAL INFORMATION:
 APPLICANT: Yanagi, Masayuki
 APPLICANT: Buhk, Jans
 APPLICANT: Emerson, Susanne U.
 APPLICANT: Purcell, Robert H.
 TITLE OF INVENTION: Cloned Genomes of Infectious Hepatitis C Viruses and
 Title of Invention: USES THEREOF

FILE REFERENCE: 20264276
 CURRENT FILING DATE: 1998-01-27
 EARLIER APPLICATION NUMBER: US 60/053,062
 EARLIER FILING DATE: 1997-07-18
 NUMBER OF SEQ ID NOS: 65
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 33
 LENGTH: 19
 TYPE: PRT
 ORGANISM: Hepatitis C virus
 US-09-014-416-33

Query Match 34.7%; Score 35; DB 3; Length 19;
 Best Local Similarity 45.5%; Pred. No. 36;
 Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 7 SFTAPNDSKK 17
 Db 6 TYTGPNSSDQR 16

RESULT 9
 US-09-018-4173-12
 Sequence 12, Application US/09048473
 Patent No. 6509171
 GENERAL INFORMATION:
 APPLICANT: Berka, Randy M.
 Hayenga, Kirk J.
 Lawlis, Virgil B.
 Ward, Michael
 TITLE OF INVENTION: ASPARTIC PROTEINASE DEFICIENT
 FILAMENTOUS FUNGI
 NUMBER OF SEQUENCES: 17
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genencor International, Inc.
 STREET: 925 Page Mill Road
 CITY: Palo Alto
 STATE: CA
 COUNTRY: US
 ZIP: 94304-1013
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FaerSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/048,473
 FILING DATE: 26-Mar-1998
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/214,237
 FILING DATE: 01-JUL-1992
 APPLICATION NUMBER: 07/931,123
 FILING DATE: 17-AUG-1992
 APPLICATION NUMBER: 08/345,018
 FILING DATE: 23-NOV-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Glaister, Debra J.
 REGISTRATION NUMBER: 33,888
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-846-7620
 TELEFAX: 650-845-6504
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 16 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 SEQUENCE DESCRIPTION: SEQ ID NO: 12;
 US-09-048-4173-12

Query Match 33.7%; Score 34; DB 4; Length 16;

Best Local Similarity 33.3%; Pred. No. 42;
 Matches 5; Conservative 7; Mismatches 3; Indels 0; Gaps 0;

Qy 3 SFTGNSFTAPNDSKK 17
 Db 1 SKGSAVTTPQNNDDE 15

RESULT 10
 US-09-014-416-29
 Sequence 29, Application US/09014416
 Patent No. 6153421
 GENERAL INFORMATION:
 APPLICANT: Yonagi, Masayuki
 APPLICANT: Bulkh, Jens
 APPLICANT: Emerson, Susanne U.
 APPLICANT: Purcell, Robert H.
 TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND
 FILE REFERENCE: 20264276
 CURRENT APPLICATION NUMBER: US/09/014,416
 CURRENT FILING DATE: 1998-01-27
 EARLIER APPLICATION NUMBER: US 60/053,062
 EARLIER FILING DATE: 1997-07-18
 NUMBER OF SEQ ID NOS: 65
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 29
 LENGTH: 19
 TYPE: PRT
 ORGANISM: Hepatitis C virus
 US-09-014-416-29

Query Match 33.7%; Score 34; DB 3; Length 19;
 Best Local Similarity 45.5%; Pred. No. 53;
 Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 7 SFTAPNDSKK 17
 Db 6 TYTKPNSSDQR 16

RESULT 11
 US-09-014-416-31
 Sequence 31, Application US/09014416
 Patent No. 6153421
 GENERAL INFORMATION:
 APPLICANT: Yonagi, Masayuki
 APPLICANT: Bulkh, Jens
 APPLICANT: Emerson, Susanne U.
 APPLICANT: Purcell, Robert H.
 TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND
 FILE REFERENCE: 20264276
 CURRENT APPLICATION NUMBER: US/09/014,416
 CURRENT FILING DATE: 1998-01-27
 EARLIER APPLICATION NUMBER: US 60/053,062
 EARLIER FILING DATE: 1997-07-18
 NUMBER OF SEQ ID NOS: 65
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 31
 LENGTH: 19
 TYPE: PRT
 ORGANISM: Hepatitis C virus
 US-09-014-416-31

Query Match 33.7%; Score 34; DB 3; Length 19;
 Best Local Similarity 45.5%; Pred. No. 53;
 Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 7 SFTAPNDSKK 17
 Db 6 TYTKPNSSDQR 16

Query Match 33.7%; Score 34; DB 4; Length 16;

RESULT 12
 US-09-014-416-35
 Sequence 35, Application US/09014416
 / GENERAL INFORMATION:
 / Parent No. 6153421
 / APPLICANT: Yanagi, Masayuki
 / APPLICANT: Buhn, Jens
 / APPLICANT: Emerson, Susanne U.
 / APPLICANT: Purcell, Robert H.
 / TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND
 / TITLE OF INVENTION: USES THEREOF
 / CURRENT APPLICATION NUMBER: US/09/014,416
 / CURRENT FILING DATE: 1998-01-27
 / EARLIER APPLICATION NUMBER: US 60/053,062
 / EARLIER FILING DATE: 1997-07-18
 / NUMBER OF SEQ ID NOS: 65
 / SOFTWARE: PatentIn Ver. 2.1
 / SEQ ID NO: 35
 / LENGTH: 19
 / TYPE: PRT
 / ORGANISM: Hepatitis C virus
 US-09-014-416-35

Query Match 33.7%; Score 34; DB 3; Length 19;
 Best Local Similarity 45.3%; Pred. No. 53;
 Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 7 SFTAPNDSDK 17
 Db 6 ATTEPNSSDQR 16

RESULT 13
 US-09-142-524D-117
 Sequence 117, Application US/09142524D
 / GENERAL INFORMATION:
 / Parent No. 6719976
 / APPLICANT: Sone, Toshiro
 / APPLICANT: Kume, Akinori
 / APPLICANT: Dairiki, Kazuo
 / APPLICANT: Iwama, Akiro
 / APPLICANT: Kino, Kohsuke
 / TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 / FILE REFERENCE: SPO-103
 / CURRENT APPLICATION NUMBER: US/09/142,524D
 / CURRENT FILING DATE: 1998-09-09
 / PRIOR APPLICATION NUMBER: PCT/JP97/00740
 / PRIOR FILING DATE: 1997-03-10
 / NUMBER OF SEQ ID NOS: 174
 / SEQ ID NO: 117
 / LENGTH: 15
 / TYPE: PRT
 / ORGANISM: Cryptomeria japonica
 / FEATURE:
 / NAME/KEY: MISC_FEATURE
 / LOCATION: (1) : (15)
 / OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 34

US-09-142-524D-117

Query Match 32.7%; Score 33; DB 4; Length 15;
 Best Local Similarity 70.0%; Pred. No. 59;
 Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 5 GNSFTAPNDS 14
 Db 2 GISITAPRDS 11

RESULT 14
 US-07-789-184-170

1 FILING DATE: 07-JUN-1995
1 CLASSIFICATION: 424
1 ATTORNEY/AGENT INFORMATION:
1 NAME: MURASHIGE, KATE H.
1 REGISTRATION NUMBER: 29-959
1 REFERENCE/DOCKET NUMBER: 22000-20502.03
1 TELECOMMUNICATION INFORMATION:
1 TELEPHONE: (202) 887-1500;
1 TELEFAX: (202) 887-0763
1 TELEX: 90-4030
1 INFORMATION FOR SEQ ID NO: 170:
1 SEQUENCE CHARACTERISTICS:
1 LENGTH: 12 amino acids
1 TYPE: amino acid
1 STRANDEDNESS: Single
1 TOPOLOGY: Linear
US-08-475-263-170

Query Match 30.7%; Score 31; DB 1; Length 12;
Best Local Similarity 58.3%; Prd. No. 96;
Matches 7; Conservative 1; Mismatches 4; Indels 0;
Gaps 0;

QY 7 SFTAPNDSDKKE 18
Db 1 SFLLARNPNDKYE 12

Search completed: January 26, 2005, 16:08:29
Job time : 14.6 secs